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ABSTRACT

This publication is a central source of information on organizations in the U.S. that are involved in energy issues. Addresses are given and descriptions of activities are usually included for each organization listed. Federal, interstate, state, and other organizations are listed under energy categories which include the various energy sources; conservation, environmental impacts, and consumer impacts. "Other organizations" include trade, professional and citizens' groups, research centers, and information clearinghouses. Emphasis is given to organizations that influence, formulate, or administer policies affecting energy production, distribution, and use, or that provide information of interest to the non-specialist. (MR/Author)

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Energy:

A Guide to Organizations and Information Resources in the United States

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF EDUCATION

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Thaddeus C. Trzyna

TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC) AND USERS OF THE ERIC SYSTEM."

Second Edition

SE 026 750

WHO'S DOING WHAT SERIES: 1

Energy: A Guide to Organizations and Information Resources in the United States

Second Edition

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No. 3: *Population: An International Directory of Organizations and Information Resources* (1976)
No. 4: *World Food Crisis: An International Directory of Organizations and Information Resources* (1977)

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In obtaining the data contained herein, the editors have used information supplied to them by the organizations listed and from other sources purporting to be accurate. However, neither the editors nor the publisher can be held responsible for inaccuracies or omissions which may exist in this book.
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INTRODUCTION

The purpose of this book is to provide in convenient reference form a central source of information on the key organizations concerned with energy in the United States.

The book is organized by subject. Chapter 1 covers organizations involved with broad questions of energy policy or more than one of the topics treated in the following chapters. Chapters 2-6 describe organizations having to do with sources of energy: oil, natural gas, coal, water power, nuclear fission, and alternate sources. Chapter 7 deals with the electric utility industry. Chapter 8-10 cover the interrelated issues of energy conservation, environmental quality, and consumer protection.

Each chapter is divided into the following sections: federal agencies (executive departments listed first, then independent agencies), state agencies, local agencies, major producers and distributors of energy, and "other organizations," which include trade, professional, and citizens' groups, research centers, and information clearinghouses.

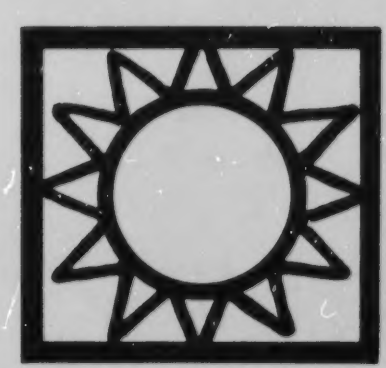
Emphasis is given to organizations that influence, formulate, or administer policies affecting energy production, distribution, and use, or that provide information of interest to the non-specialist. We have not attempted to include groups involved in highly technical aspects of energy research and development.

Most of the information in this book was collected from the organizations listed. Some information was taken from current secondary sources, mainly from unpublished material, government documents, or publications of limited distribution.

We hope that this book will contribute to better public understanding of the problems and issues surrounding energy, the basic natural resource.

Note: The symbol + before the name of an organization indicates that it reports to the main organization listed above it. The symbol ++ means that it is subsidiary to the + group above.

1. Energy in General



Federal Agencies, page 10
Interstate Agencies, page 10
State Agencies, page 20
Local Agencies, page 37
Other Organizations, page 38

Listed in this chapter are agencies of the U.S. Government, the fifty states, and local governments, and private organizations that are concerned with broad questions of energy policy or more than one of the topics covered by the other chapters of the book.

GENERAL - FEDERAL AGENCIES

FEDERAL AGENCIES

Note: Listings are divided as follows: Executive Office of the President; cabinet departments; independent agencies.

Executive Office of the President:

COUNCIL ON ENVIRONMENTAL QUALITY (CEQ)
See Chapter 3 for a general description of this agency. See also: Chapter 5, re nuclear concerns; Chapter 8, re energy conservation.

OFFICE OF MANAGEMENT AND BUDGET
Executive Office Building
Washington, D.C. 20503
202-395-3000

Director: James T. McIntyre
Associate Director, Natural Resources, Energy and Science: Eliot R. Cutler
Deputy Associate Director, Science and Energy Technology Division: Hugh F. Loweth
Deputy Associate Director, Energy and Food Division: Kenneth G. Glozer
Deputy Associate Director, Natural Resources Division: Donald E. Crabill

These sections of OMB assist in preparing energy-related elements of the federal budget, and supervise the administration of those elements. OMB also develops coordinating mechanisms to implement administration activities and to expand interagency cooperation (see next entry), and it coordinates departmental advice on proposed legislation.

FEDERAL INTERAGENCY ENERGY/ ENVIRONMENT RESEARCH AND DEVELOPMENT PROGRAM
See description in Chapter 9.

Cabinet Departments:

DEPARTMENT OF AGRICULTURE (USDA)

+AGRICULTURAL RESEARCH SERVICE
See description in Chapter 6.

+EXTENSION SERVICE
See description in Chapter 8.

+RURAL ELECTRIFICATION ADMINISTRATION (REA)
See description in Chapter 7.

DEPARTMENT OF COMMERCE
Washington, D.C. 20230
202-377-2000 (Switchboard)

Secretary of Commerce: Juanita M. Kreps

+OFFICE OF ENERGY PROGRAMS
Department of Commerce
Washington, D.C. 20230
202-967-5001

Director: Robert E. Shepherd

Responsible for coordinating all energy programs within the Department of Commerce, including energy policy development, liaison with business and industry, and promotion of energy conservation through energy management.

+NATIONAL BUREAU OF STANDARDS (NBS)
See descriptions in Chapter 2 (re oil and gas), Chapter 6 (alternate energy sources), and Chapter 8 (energy conservation).

+NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA)
See description in Chapter 4.

DEPARTMENT OF DEFENSE (DOD)
The Pentagon
Washington, D.C. 20301

Secretary of Defense: Harold Brown
Assistant Secretary (Installations and Logistics): Vacant

+DIRECTORATE FOR ENERGY
Department of Defense
Washington, D.C. 20301

Director for Energy: Rear Adm. William A. Myers, III, USN

GENERAL - FEDERAL AGENCIES

+DEFENSE LOGISTICS AGENCY (DLA)
Cameron Station
Alexandria, Virginia 22314
703-274-6001

Director: Lt. Gen. Woodrow W. Vaughan, USA
Commander, Defense Fuel Supply Center: Rear Adm. W. M. Oller, USN

DLA was formerly the Defense Supply Agency. The Defense Fuel Supply Center is responsible for the procurement, supply, and distribution of bulk petroleum products for U.S. military operations worldwide.

+ARMY CORPS OF ENGINEERS
See description in Chapter 4.

DEPARTMENT OF ENERGY (DOE)
Washington, D.C. 20545
202-252-5000 (Information)

Secretary of Energy: James R. Schlesinger
Deputy Secretary: John F. O'Leary
Under Secretary: Dale D. Myers
Deputy Under Secretary: John D. Young
Executive Secretary: Raymond L. Walters
Inspector General: Joseph Seltzer (Acting)
General Counsel: Eric J. Fygi (Acting)
Chairman: Board of Contract Appeals: John B. Farmakides
Director of Administration: William S. Heffelfinger
Controller: John D. Young (Acting)

The Department of Energy, activated on October 1, 1977, brings together the many fragmented energy programs and offices created over the years within the federal government. It is designed to "carry out in a coherent and effective manner the elements of the nation's energy policy, giving to them unified leadership for the first time."

The new Department has almost 20,000 employees and a first-year budget of $10.4 billion.

DOE took over all of the functions of the former Federal Energy Administration (FEA), Energy Research and Development Administration (ERDA), and Federal Power Commission (FPC).

From the Department of the Interior, it took over authority over regional power administrations; the power marketing functions of the Bureau of Reclamation and the Falcon and Amistad Dams on the Rio Grande; the setting of economic terms for leasing public land for energy development (such as the Outer Continental Shelf), and mineral lands containing geothermal resources; and the authority of the Bureau of Mines for gathering data on fuel supplies, research and development on mining technology, and coal preparation analysis.

From the Department of Defense, DOE took over administration of three Naval oil reserves and three Naval oil shale reserves.

From the Department of Commerce, it took over functions related to energy conservation.

From the Interstate Commerce Commission, it took over functions related to transportation of oil by pipeline, including pipeline valuation and rate setting.

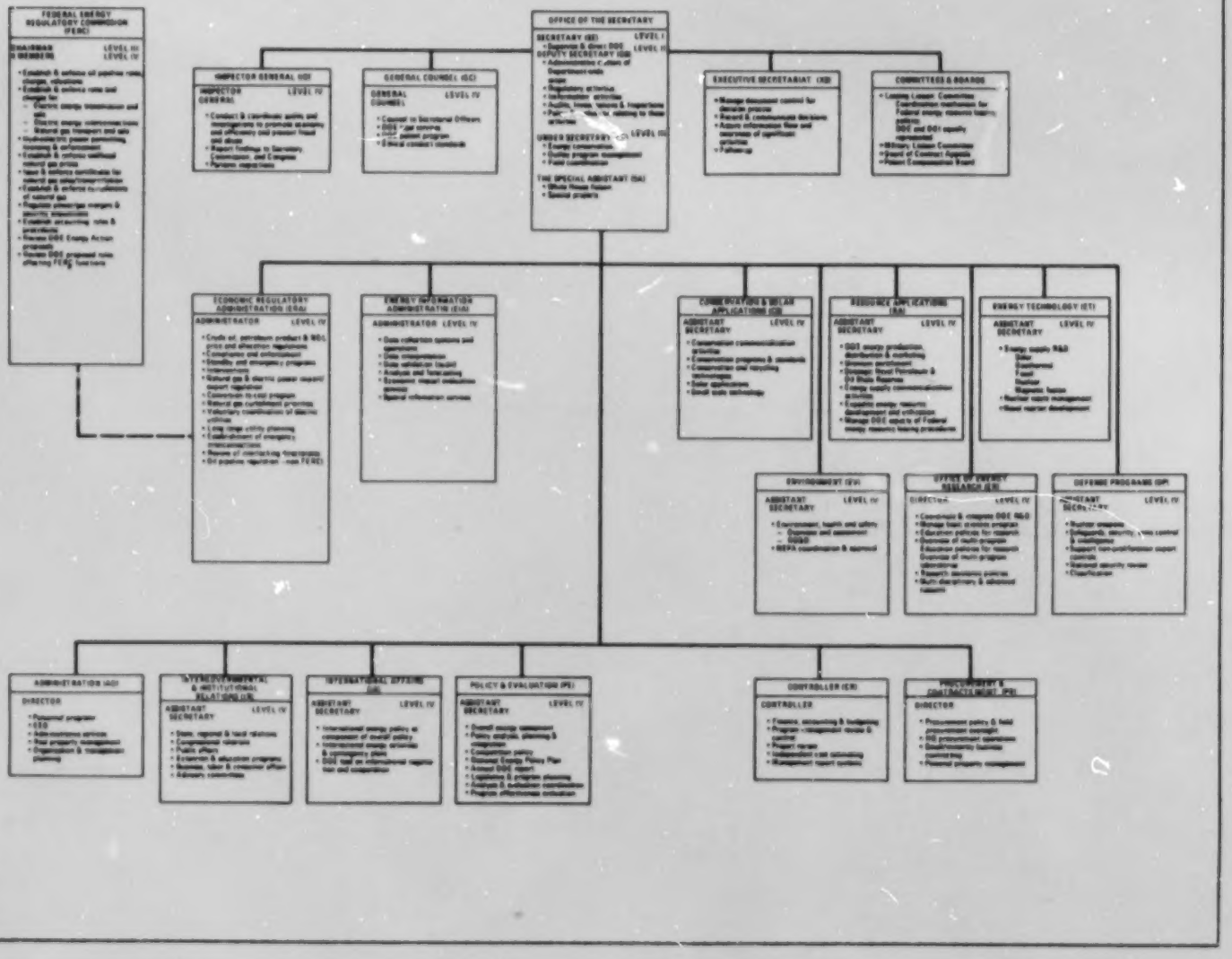
From the Department of Housing and Urban Development, it took over authority to set energy conservation standards for new buildings.

Elsewhere in this book
Specific functions of DOE are described in more detail as follows:

-- Oil and gas, including a list of regional offices of the Energy Regulatory Administration: Chapter 2.
-- Hydroelectric projects: Chapter 4.
-- Nuclear programs, including a list of DOE's operations offices: Chapter 5.
-- Alternate sources of energy: Chapter 6.
-- Electric energy, including power administrations and regional electric reliability councils.
-- Energy conservation: Chapter 8.
-- Environmental protection: Chapter 9.
-- Energy Research Centers: Chapters 2 and 3.

The major elements of the Department of Energy are:

DEPARTMENT OF ENERGY ORGANIZATION CHART



GENERAL - FEDERAL AGENCIES

GENERAL - FEDERAL AGENCIES

Office of the Assistant Secretary for Conservation and Solar Applications:

Assistant Secretary: Donald A. Beattie (Acting)

This office brings together energy conservation programs from four agencies. It is charged with responsibility for developing and implementing measures to improve energy efficiency and system utilization, and reduce energy consumption, in transportation, buildings and community systems, industry and commerce, and utilities. It also conducts technology application programs to reduce energy consumption in all sectors of the economy, conducts energy conservation commercialization activities, and administers certain regulatory programs in the field.

In the area of solar energy, this office conducts research and other projects designed to commercialize the use of solar power in heating and cooling of buildings and in agricultural and industrial processes. An Office of Small Scale Technology assists small businesses and individual inventors.

Office of the Assistant Secretary for Resource Applications:

Assistant Secretary: George S. McIsaac (Designate)

This office is responsible for ensuring that environmentally acceptable supplies of energy can be moved quickly into the commercial mainstream, and that institutional and other barriers to the introduction of new sources of energy supply are identified and overcome. (Solar energy commercialization activities are under the Assistant Secretary for Conservation and Solar Applications.)

Also included under this office are the regional power marketing administrations (described in Chapter 7); the strategic oil stockpile designed to decrease U.S. vulnerability to supply interruptions and foreign oil price increases; enriched uranium production; and DOE aspects of energy resource leasing procedures on federal lands.

Office of the Assistant Secretary for Energy Technology:

Assistant Secretary: Robert D. Thorne (Acting)
Deputy Assistant Secretary: Eric H. Willis
Executive Director: Samuel Hale (Acting)
Director, Office of Field Operations Management: Robert Morgan (Acting)
Director, Office of Planning and Technology Transfer: George Y. Jordy (Acting)
Director, Office of Resource Management and Acquisition: Keith N. Frye (Acting)
Director, Office of Institutional Liaison and Communications: Len Kojm (Acting)
Director, Office of Fossil Fuel Energy Programs: G.W. Fumich (Acting)
Director, Office of Solar and Geothermal Energy Programs: Eric H. Willis (Acting)
Director, Office of Nuclear Energy Programs: George Cunningham (Acting)
Director, Office of Fusion Energy Programs: Edwin E. Kintner (Acting)

This office is responsible for research, development, and technology demonstration in all energy areas, including solar, geothermal, fossil, and nuclear. Its activities focus mainly on making new energy technologies available for application as soon as possible. Once a specific project in a technology has been developed sufficiently for commercial demonstration, the project will be transferred to either the Assistant Secretary for Resource Applications or the Assistant Secretary for Conservation and Solar Applications. At the same time, further development of the base technology will continue under this office to improve costs, efficiency, etc.

This office also oversees research and development projects involving energy storage, electric energy systems, and improved energy conversion efficiency.

Office of the Assistant Secretary for Environment:

Assistant Secretary: James L. Liverman (Acting)

For a description of this office, see Chapter 9.

GENERAL - FEDERAL AGENCIES

Office of Energy Research:

Director: John M. Deutsch
Deputy Director: C. Worth Bateman

This office advises the Secretary of Energy on the physical research and energy research and development programs of the Department, the use of multi-purpose laboratories, education and training for basic and applied research activities, and financial assistance for these research activities. The director chairs the DOE Research and Development Coordination Council.

This office also manages the DOE basic science programs, including high-energy physics, and administers a financial support program for high-quality research and development projects not funded elsewhere in the Department. It is responsible for DOE programs supporting university researchers, including pre- and post-doctoral fellowships.

Office of the Assistant Secretary for Defense Programs:

Assistant Secretary: D.M. Kerr (Acting)

This office directs the nation's nuclear weapons research, development, testing, production, and surveillance. In addition, it coordinates a safeguards and security program to provide accountability and physical protection of special nuclear materials.

Office of the Assistant Secretary for Policy and Evaluation:

Assistant Secretary: Alvin L. Alm

This office formulates and recommends the Department's overall policy direction, and coordinates the analysis and evaluation of policies and programs. It is responsible for ensuring that DOE policies and programs promote competition in the energy industries and that consumer impact is considered in Department decisionmaking. It conducts in-depth evaluation of DOE activities and continual assessment of the nation's energy situation.

Office of the Assistant Secretary for Intergovernmental and Institutional Relations:

Assistant Secretary: P. Sam Hughes
Director: William E. Peacock

This office manages the Department's consumer affairs functions, and oversees and conducts DOE relations with Congress; the news media; state, regional, and local agencies; educational institutions; citizens' groups; trade associations; labor unions; and business corporations. Under this office are the Oak Ridge Technical Information Center and the Energy Extension Service.

Office of the Assistant Secretary for International Affairs:

Assistant Secretary: Harry E. Bergold, Jr.
Principal Deputy Assistant Secretary: Walter J. McDonald
Deputy Assistant Secretary for Trade and Resources: Peter Borre
Deputy Assistant Secretary for International Programs: Nelson F. Sievering, Jr.
Deputy Assistant Secretary for Policy Development: Sarah Jackson
Deputy Assistant Secretary for International Energy Research: A. Denny Ellerman

This office is responsible for DOE's international energy policy and will represent the Department in intragovernmental and international discussions on energy matters. It assesses world energy price and supply trends and technical developments and the effects of international actions on the U.S. energy supply, and handles cooperative international energy programs.

Economic Regulatory Administration (ERA):

Administrator: David J. Bardin
Deputy Administrator: Hazel Rollins

ERA administers most of DOE's regulatory programs, other than those of the Federal Energy Regulatory Commission. ERA is described in Chapter 2.

GENERAL - FEDERAL AGENCIES

Energy Information Administration (EIA):

Administrator: Lincoln Moses
Deputy Administrator: C. William Fischer
Assistant Administrator for Data: Albert H. Linden, Jr.
Assistant Administrator for Data Validation: W. Richard Johnsen (Acting)
Assistant Administrator for Applied Analysis: Nicolai Timenes, Jr.
Assistant Administrator, Office of Energy Information Service: Robert E. Coughlan
Assistant Administrator, Office of Project Acceptability Control: John E. Daniels
Assistant Administrator for Office Management Services: R. Eugene Odom

EIA brings together many different energy data systems that formerly operated separately in federal agencies. It is responsible for collection, processing, and publication of data on energy reserves, financial status of energy-producing companies, production, demand, consumption, and other areas. It provides analysis of data to assist government and non-government users in understanding energy trends. To ensure the validity of regulatory and other energy data, EIA conducts extensive field audits to determine the accuracy of data in its system.

EIA is also responsible for complex, long-term analysis of energy trends. It will focus on the micro- and macroeconomic impact of energy trends on regional and industrial sectors, and will perform special-purpose analyses involving competition within the energy industries, the capital-financial structure of energy companies, and interfuel substitution.

EIA provides data publication and distribution services within DOE, throughout government, and for the public. It is a clearinghouse for general information on energy and will coordinate with the DOE Technical Information Center. In addition, it will develop a national reserves system to determine the best estimates of fuel reserves, and a financial reporting system for the energy-producing companies.

Federal Energy Regulatory Commission (FERC):

Chairman: Charles B. Curtis
Commissioner: Georgianna Sheldon
Commissioner: George R. Hall
Commissioner: Don S. Smith
Commissioner: Matthew Holden, Jr.
Executive Director: William G. McDonald

An independent, five-member organization within DOE, the FERC will have many of the functions of the former Federal Power Commission. In addition, it inherits the authority of the Interstate Commerce Commission to establish rates or charges for the transmission of oil by pipeline.

FERC responsibilities related to oil and gas are described in Chapter 2; those related to electric power, in Chapter 7; and those having to do with hydroelectric energy, in Chapter 4.

DOE field structure:

The Secretary of Energy will be represented in each of the ten standard federal regions by Regional Representatives, whose duties will include speaking for the Secretary and all DOE activities within the region; working with governors to set up Regional Advisory Boards; assuring effective outreach programs; provides feedback to Washington; and performing various nonregulatory tasks in regional planning, conservation, energy resource development, and energy data collection. The Regional Representatives may be contacted at the addresses given for regional offices of the Economic Regulatory Administration in Chapter 2.

DOE's allocation and compliance programs in the federal regions are conducted by Directors of Regional Compliance, listed in Chapter 2.

The field activities of the Federal Energy Regulatory Commission (FERC) are separate from other DOE field activities.

DOE's operations offices, listed in Chapter 5, are concerned primarily with research and development programs carried out at the Department's own field laboratories and other facilities.

DOE Energy Research Centers are listed in Chapters 2 and 3.

Energy Extension Service:

DOE's Energy Extension Service, initiated in 1977 and patterned after the Cooperative Extension Service of the Department of Agriculture, provides consumers and small businessmen with information on a wide range of energy topics. The main objective of the program, which operates through state governments, is to encourage individuals and small establishments to adopt practices and technologies that save energy or that use energy sources of a renewable nature. Pilot programs are operating in ten states: Alabama, Connecticut, Michigan, New Mexico, Pennsylvania, Tennessee, Texas, Washington, Wisconsin, and Wyoming.

Publications:

Although many of the series of publications issued by the agencies now subsumed under DOE will continue, the Department's entire public information program is being reevaluated, and many titles will be changed. During this transition period, requests for information should be sent to the Office of Public Affairs.

Two periodicals of a general nature are Department of Energy Information, Weekly Announcements; and Consumer Briefing Summary, irregular.

The DOE Technical Information Center (P.O. Box 62, Oak Ridge, Tennessee 37830) issues a number of abstract journals and bibliographies, a Symposium Series, and other scientific and technical reports (catalog available). Basic publications include: Energy Research Abstracts, semimonthly. Energy Abstracts for Policy Analysis, monthly.

The DOE National Energy Information Center is a clearinghouse for energy-related information. Numerous technical reports are issued (a catalog, "Technical Books and Monographs," is available). Publications include: Monthly Energy Review. Petroleum Market Share, monthly.

GENERAL - FEDERAL AGENCIES

In 1976, the Federal Energy Administration published Energy Information in the Federal Government: Directory of Energy Sources Identified by the Interagency Task Force. This is available from the National Technical Information Service, Springfield, Virginia 22161.

The National Energy Information Center, now part of DOE, published Federal Energy Information Locator System: Energy Information in the Federal Government, November 30, 1976.

Some publications dealing with specific areas of interest, e.g., electric energy, are listed in other chapters of this book under the Department of Energy.

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE (HEW)

+FOOD AND DRUG ADMINISTRATION
See description in Chapter 5.

+OFFICE OF CONSUMER AFFAIRS
See description in Chapter 10.

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT (HUD)
See description in Chapter 6.

DEPARTMENT OF THE INTERIOR

+BUREAU OF LAND MANAGEMENT
See description in Chapter 2.

+BUREAU OF MINES
See description in Chapter 2.

+BUREAU OF RECLAMATION
See description in Chapter 4.

+MINING ENFORCEMENT AND SAFETY ADMINISTRATION
See description in Chapter 3.

+NATIONAL PETROLEUM COUNCIL
See description in Chapter 2.

+OFFICE OF WATER RESEARCH AND TECHNOLOGY
See description in Chapter 4.

GENERAL - FEDERAL AGENCIES

+U.S. GEOLOGICAL SURVEY
See descriptions in Chapters 2 (re oil and gas), 3 (re coal), and 4 (re water power).

DEPARTMENT OF JUSTICE

+ANTITRUST DIVISION
See description in Chapter 10.

+LAND AND NATURAL RESOURCES DIVISION
Department of Justice
Washington, D.C. 20530
202-739-2718

Assistant Attorney General, Land and Natural Resources Division: James Moorman

The Department of Justice provides means for the enforcement of federal laws, furnishes legal counsel to federal agencies, and construes the laws under which other departments act. The Land and Natural Resources Division supervises all matters relating to federal real property and resources, including mineral leases, oil reserves, and water resources.

DEPARTMENT OF STATE
Washington, D.C. 20520
202-655-4000 (Switchboard)

Secretary of State: Cyrus R. Vance

+BUREAU OF ECONOMIC AND BUSINESS AFFAIRS
Office of Fuels and Energy (EB/ORF/FSE)
Department of State
Washington, D.C. 20520
202-483-6249

Director, Office of Fuels and Energy: Lawrence R. Raicht

Responsible for formulating foreign policy concerning energy matters.

+BUREAU OF INTELLIGENCE AND RESEARCH
Office of Resources Policy (INR/DDC/RPS)
Department of State
Washington, D.C. 20520
301-587-7436

Director, Office of Resources Policy: Richard E. Curl

Collects and analyzes information on foreign energy developments to assist in developing U.S. policies on international energy matters.

+BUREAU OF OCEANS AND INTERNATIONAL ENVIRONMENTAL AND SCIENTIFIC AFFAIRS (OES)
Department of State
Washington, D.C. 20520
202-554-4919

Assistant Secretary of State for Oceans and International Environmental and Scientific Affairs: Patsy T. Mink
Deputy Assistant Secretary, Nuclear Energy and Energy Technology Affairs: Louis V. Nosenzo

Concerns include formulation of policies on international nuclear energy and energy technology matters.

DEPARTMENT OF TRANSPORTATION (DOT)
Washington, D.C. 20590
202-426-4000 (Switchboard)

Secretary of Transportation: Brock Adams

See also Chapter 8.

+TRANSPORTATION ENERGY POLICY STAFF
Department of Transportation
Washington, D.C. 20590

Director: Donald J. Igo

Concerned with the energy implications of DOT policies and programs.

GENERAL - FEDERAL AGENCIES

DEPARTMENT OF THE TREASURY
Washington, D.C. 20220
202-393-6400 (Switchboard)

Secretary of the Treasury: W. Michael Blumenthal
Assistant Secretary (International Affairs): C. Fred Bergsten
Deputy Assistant Secretary (Investment and Energy Policy): Helen B. Junz

The Treasury Department has primary responsibility for formulating domestic and international financial and tax policies. The Deputy Assistant Secretary for Investment and Energy Policy is concerned with those matters that affect the production, distribution, and use of energy.

Independent Agencies of the Federal Government:

ENVIRONMENTAL PROTECTION AGENCY (EPA)
See the general description in Chapter 9. Energy conservation programs are described in Chapter 8; radiation activities in Chapter 5; solid waste programs in Chapter 6.

FEDERAL MARITIME COMMISSION
Washington, D.C. 20573
202-655-4000

Chairman: Karl E. Bakke
Managing Director: Francis C. Hurney (Acting)

Concerns include use and conservation of energy in waterborne shipping in the foreign and domestic commerce of the U.S.

FEDERAL TRADE COMMISSION (FTC)
See description in Chapter 10.

GENERAL SERVICES ADMINISTRATION (GSA)
See description in Chapter 8.

NATIONAL ACADEMY OF SCIENCES - NATIONAL ACADEMY OF ENGINEERING - NATIONAL RESEARCH COUNCIL
2101 Constitution Avenue, N.W.
Washington, D.C. 20418
202-393-8100 (Switchboard)

Quasi-official agencies that advise the federal government and stimulate research efforts in science, engineering, and medicine. Many of the reports issued deal with energy questions (catalog available), for example: U.S. Energy Prospects: An Engineering Viewpoint. Mineral Resources and the Environment. Petroleum in the Marine Environment.

Commissions and boards particularly concerned with energy matters include:

+COMMISSION ON NATURAL RESOURCES
2101 Constitution Avenue, N.W.
Washington, D.C. 20418
202-389-6861

Executive Director: Richard A. Carpenter

Concerns include promoting research on energy problems, for example, offshore oil and gas development, reclamation of coal lands, and energy use in agriculture.

++BOARD OF ENERGY STUDIES
2101 Constitution Avenue, N.W.
Washington, D.C. 20418
202-389-6861

Executive Secretary: Winfred E. Berg

Part of the Commission on Natural Resources, this Board is the main focal point on energy matters within the NAS-NRC.

+BUILDING RESEARCH ADVISORY BOARD
2101 Constitution Avenue, N.W.
Washington, D.C. 20418
202-389-6541

Concerns include energy conservation and use of alternate energy sources in cooling and heating buildings. Publications include: Solar Heating/Cooling of Buildings: Current Building Community Projects.

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA)
See description in Chapter 9.

NATIONAL SCIENCE FOUNDATION (NSF)
1800 G Street, N.W.
Washington, D.C. 20550
202-655-4000

Director: Richard C. Atkinson
Assistant Director, Research Applications: Jack T. Sanderson
Division Director, Advanced Energy and Resources: Donald Senich
Assistant Director, Scientific, Technological and International Affairs: Harvey Averch
Group Leader, Policy Aspects of Energy, Resources and Environment: Richard Waller (Acting)

NSF awards grants and contracts to universities and nonprofit and other organizations to support basic and applied research in all the scientific disciplines, including many areas related to energy. The NSF has been given an increased role in international cooperative science activities in energy-related areas. Pub.: Guide to Programs, annual. Bulletin, 10 times a year. Mosaic, bimonthly magazine.

NUCLEAR REGULATORY COMMISSION (NRC)
See description in Chapter 5.

SECURITIES AND EXCHANGE COMMISSION (SEC)
See descriptions in Chapter 7 (includes a list of regional offices) and 2.

TENNESSEE VALLEY AUTHORITY (TVA)
See description in Chapter 7.

U.S. WATER RESOURCES COUNCIL
See description in Chapter 4.

INTERSTATE AGENCIES

See also the river basin commissions and inter-agency water committees listed in Chapter 4.

COUNCIL OF STATE GOVERNMENTS
P.O. Box 11910
Lexington, Kentucky 40511
606-252-2291

A joint agency of all the state governments, created, supported, and directed by them. It conducts research on state programs and problems; maintains an information service available to state agencies, officials, and legislators; issues a variety of publications; assists in federal-state liaison; promotes regional and state-local cooperation; and provides staff for affiliated organizations. Publications have included: Energy, a series of leaflets on state issues. The States and Electric Utility Regulation.

DELAWARE RIVER BASIN COMMISSION
See description in Chapter 4.

INTERSTATE OIL COMPACT COMMISSION
See description in Chapter 2.

NATIONAL CONFERENCE OF STATE LEGISLATURES (NCSL)
Energy Program
1405 Curtis Street, Suite 2300
Denver, Colorado 80202

The NCSL Energy Program assists state legislatures in the formulation of energy policies through research, meetings, and publications, and represents the interests of state legislatures in this field before Congress and federal agencies. Pub.: Energy: The State's Response in 1976. Energy, Water and the West (1976). State Policies for Geothermal Development (1976). Electricity Pricing and Demand.

NATIONAL GOVERNORS' CONFERENCE
Energy Program
1150 17th Street, N.W.
Washington, D.C. 20036

The Conference's Energy Program conducts research, holds conferences, and issues publications on energy issues as they affect state government. Pub.: State Energy Information Systems: A Survey (1975). Federal Energy Conservation Programs: A State Perspective. State Perspectives on Energy Facility Siting.

GENERAL - INTERSTATE AGENCIES

NORTHEASTERN LEGISLATIVE ENERGY STAFF
Capitol Building, Room 321
Albany, New York 12224

A cooperative effort of the state legislatures of New England states, New York, Pennsylvania, New Jersey, and Delaware.

SINB
One Exchange Place, Suite 1230
Atlanta, Georgia 30338
404-455-8841

Executive Director: Kenneth J. Nemeth

Formerly known as the Southern Interstate Nuclear Board, SINB is the energy arm of the Southern Governors' Conference, funded by its member states (Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Texas, Virginia, and West Virginia) and the Commonwealth of Puerto Rico.

SINB provides scientific and technical expertise to state officials upon request; represents state and regional interests before federal agencies and Congress; holds meetings. Interests have included nuclear power, solar energy, energy facilities siting, and energy conservation.

Pub.: Annual report. State-Level Energy Agencies in the South (1977). State Utility Regulation: The Challenge Ahead (1976). Interstate Electric Energy Grid System Among the Southern States (1973). Other technical reports and conference proceedings (list available).

SUSQUEHANNA RIVER BASIN COMMISSION
See description in Chapter 4.

WESTERN GOVERNORS' REGIONAL ENERGY POLICY OFFICE
4730 Oakland Street
Denver, Colorado 80239

Director: William Guy

A cooperative effort of the governments of New Mexico, Colorado, Utah, Arizona, Nevada, Nebraska, Montana, Wyoming, South Dakota, and North Dakota.

WESTERN INTERSTATE ENERGY BOARD
2500 Stapleton Plaza
3333 Quebec Street
Denver, Colorado 80207
303-837-5851

Executive Director: Vacant

Formerly: Western Interstate Nuclear Board. Current being reorganized to reflect a broader interest in regional energy problems. A joint agency of the governments of Alaska, Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming. Pub.: Annual report. Technical and policy documents (list available). Western States Energy Resource Development Update (1976).

STATE AGENCIES

Listed below are the agencies of the 50 state governments that are concerned with (1) energy policy matters, including development of state energy programs, coordination of state energy activities, and energy conservation; (2) fuel allocation under federal and state regulations; (3) regulation of electric and gas utilities; and (4) research on mineral fuel resources.

ALABAMA

Policy and fuel allocation:

ALABAMA ENERGY MANAGEMENT BOARD
State Capitol
Montgomery, Alabama 36130
205-832-5010

Chairman: R.C. Bamberg

Regulatory utility agency:

ALABAMA PUBLIC SERVICE COMMISSION
P.O. Box 991
Montgomery, Alabama 36130
205-832-3421

Secretary: Wallace Tidmore

Geological agency:

GEOLOGICAL SURVEY OF ALABAMA
P.O. Drawer O
University, Alabama 35486
205-349-2852

State Geologist: Thomas J. Joiner (Acting)

ALASKA

Policy and fuel allocation:

ALASKA STATE ENERGY OFFICE
MacKay Building, 5th Floor
Anchorage, Alaska 99501
907-272-0527

Regulatory utility agencies:

ALASKA PUBLIC UTILITIES COMMISSION
MacKay Building, Room 1100
Anchorage, Alaska 99501
907-272-1487

Executive Director: J. Lowell Jensen

ALASKA PIPELINE COMMISSION
MacKay Building, 12th Floor
Anchorage, Alaska 99501
907-279-0583

Executive Director: Thomas Cook

Geological agency:

ALASKA DEPARTMENT OF NATURAL RESOURCES
Division of Geological and Geophysical Surveys
3001 Porcupine Drive
Anchorage, Alaska 99501
907-274-8602

State Geologist: Ross G. Schaff

GENERAL - STATE AGENCIES

ARIZONA

Policy and fuel allocation:

ARIZONA OFFICE OF ECONOMIC PLANNING AND DEVELOPMENT
Energy Programs Division
Capitol Tower, Room 507
Phoenix, Arizona 85007
602-271-3303

Chief, Energy Programs Division: Tom V. Lynch

Regulatory utility agency:

ARIZONA CORPORATION COMMISSION
2222 W. Encanto Boulevard
Phoenix, Arizona 85009
602-271-4166

Executive Secretary: Donald E. Vance

Geological agency:

ARIZONA BUREAU OF MINES
University of Arizona
Tucson, Arizona 85721
602-884-1401

Director: William H. Dresher

ARKANSAS

Policy and fuel allocation:

ARKANSAS STATE ENERGY OFFICE
National Old Line Insurance Building, Room 325
Little Rock, Arkansas 72201
501-371-1379

Director: John A. Griffey

Regulatory utility agency:

ARKANSAS PUBLIC SERVICE COMMISSION
Justice Building
Little Rock, Arkansas 72201
501-371-1794

Director: John S. Choate

Geological agency:

ARKANSAS GEOLOGICAL COMMISSION
3815 W. Roosevelt Road
Little Rock, Arkansas 72204
501-371-1488

State Geologist: Norman F. Williams

CALIFORNIA

Policy and fuel allocation:

CALIFORNIA ENERGY RESOURCES CONSERVATION AND DEVELOPMENT COMMISSION
1111 Howe Avenue
Sacramento, California 95825
916-322-3690

Chairman: Richard L. Maullin

Pub.: Energy Commission Newsletter, monthly. Technical and public information publications (list available).

Regulatory utility agency:

CALIFORNIA PUBLIC UTILITIES COMMISSION
350 McAllister Street
San Francisco, California 94102
415-557-1487

Chairman: Robert Batinovich

Geological agency:

CALIFORNIA DEPARTMENT OF CONSERVATION
Division of Mines and Geology
1416 Ninth Street, Room 1341
Sacramento, California 95814
916-445-1825

State Geologist: Thomas E. Gay, Jr. (Acting)

GENERAL - STATE AGENCIES

COLORADO

Policy:

GOVERNOR'S ENERGY POLICY COUNCIL
State Capitol
Denver, Colorado 80207
303-892-2471

Staff Director: Donald Crane

Fuel allocation:

COLORADO STATE FUEL ALLOCATION OFFICE
486 Capitol Annex Building
1375 Sherman Street
Denver, Colorado 80203
303-892-2862

Director: Stan Bogren

Regulatory utility agency:

COLORADO PUBLIC UTILITIES COMMISSION
1525 Sherman Street, Room 500
Denver, Colorado 80203
303-892-3154

Executive Secretary: Harry A. Galligan, Jr.

Geological agency:

COLORADO GEOLOGICAL SURVEY
1313 Sherman Street, Room 715
Denver, Colorado 80203
303-892-2611

Director: John W. Rold

CONNECTICUT

Policy and fuel allocation:

CONNECTICUT DEPARTMENT OF PLANNING AND ENERGY POLICY
20 Grand Street
Hartford, Connecticut 06106
203-566-2800

Commissioner: Lynn Alan Brooks

GENERAL - STATE AGENCIES

Regulatory utility agency:

CONNECTICUT PUBLIC UTILITIES CONTROL AUTHORITY
165 Capitol Avenue
Hartford, Connecticut 06115
203-566-7384

Executive Secretary: Henry Mierzwa

Geological agency:

CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION
State Office Building, Room 561
Hartford, Connecticut 06115
203-566-3540

State Geologist: Hugo F. Thomas

DELAWARE

Policy and fuel allocation:

DELAWARE DEPARTMENT OF EMERGENCY PLANNING AND OPERATIONS
P.O. Box C
Delaware City, Delaware 19706
302-834-4531

Director: James W. McCloskey

Regulatory utility agency:

DELAWARE PUBLIC SERVICE COMMISSION
1560 S. DuPont Highway
Dover, Delaware 19901
302-678-4247

Executive Director: Robert J. Kennedy, III

Geological agency:

DELAWARE GEOLOGICAL SURVEY
University of Delaware
101 Penny Hall
Newark, Delaware 19711
302-738-2833

State Geologist: Robert R. Jordan

DISTRICT OF COLUMBIA

Fuel allocation:

OFFICE OF PETROLEUM ALLOCATION
District of Columbia Government
300 Indiana Avenue, N.W.
Washington, D.C. 20001
202-629-5151

FLORIDA

Policy and fuel allocation:

FLORIDA STATE ENERGY OFFICE
Collins Building, Room 108
Tallahassee, Florida 32304
904-488-6764

Director: Carlos Warren

Pub.: A Planner's Handbook on Energy.
A Floridian's Guide to Solar Energy.

Regulatory utility agency:

FLORIDA PUBLIC SERVICE COMMISSION
700 S. Adams Street
Tallahassee, Florida 32304
904-488-1001

Executive Director: Jack P. Dodd

Geological agency:

FLORIDA DEPARTMENT OF NATURAL RESOURCES
Bureau of Geology
903 W. Tennessee Street
Tallahassee, Florida 32304
904-488-4191

Chief: C.W. Hendry, Jr.

GEORGIA

Policy and fuel allocation:

GEORGIA STATE ENERGY OFFICE
7 Hunter Street, Room 145
Atlanta, Georgia 30334
404-656-5176

Director: Lewis C. Spruill

GENERAL - STATE AGENCIES

Regulatory utility agency:

GEORGIA PUBLIC SERVICE COMMISSION
244 Washington Street, S.W., Room 162
Atlanta, Georgia 30334
404-656-4501

Executive Director: David O. Benson

Geological agency:

GEORGIA DEPARTMENT OF NATURAL RESOURCES
Earth and Water Division
19 Hunter Street, S.W.
Atlanta, Georgia 30334
404-656-3214

Director: S.M. Pickering, Jr.

HAWAII

Policy and fuel allocation:

HAWAII DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT
Energy Management and Conservation Office
P.O. Box 2359
Honolulu, Hawaii 96804
808-548-3033

State Energy Coordinator: Hideto Kono

Regulatory utility agency:

HAWAII PUBLIC UTILITIES COMMISSION
1164 Bishop Street, Suite 911
Honolulu, Hawaii 96813
808-548-3990

Administrative Director: Melvin S. Ishihara

Geological agency:

HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES
Division of Water and Land Development
P.O. Box 373
Honolulu, Hawaii 96809
808-548-7533

Manager: Robert T. Chuck

IDAHO

Policy and fuel allocation:

IDAHO STATE OFFICE OF ENERGY
300 N. Sixth Street
Boise, Idaho 83720
208-384-2885

Director: Richard Brown

Regulatory utility agency:

IDAHO PUBLIC UTILITIES COMMISSION
Statehouse
Boise, Idaho 83720
208-384-3143

Administrator: Archie Browning

Geological agency:

IDAHO BUREAU OF MINES AND GEOLOGY
Moscow, Idaho 83843
208-885-6785

Chief: Maynard M. Miller

ILLINOIS

Policy and fuel allocation:

ILLINOIS DEPARTMENT OF BUSINESS AND ECONOMIC DEVELOPMENT
Division of Energy
222 S. College Avenue
Springfield, Illinois 62706
217-782-7500

Director: Sidney M. Marder

Regulatory utility agency:

ILLINOIS COMMERCE COMMISSION
527 E. Capitol Avenue
Springfield, Illinois 62706
217-782-7295

Secretary: Clarence F. Hutches, II

Geological agency:

ILLINOIS STATE GEOLOGICAL SURVEY
121 Natural Resources Building
University of Illinois
Urbana, Illinois 61801
217-344-1481

Chief: Jack A. Simon

INDIANA

Policy and fuel allocation:

INDIANA ENERGY OFFICE
803 State Office Building
Indianapolis, Indiana 46204
317-633-6753

Director: Thomas F. Kibler

Regulatory utility agency:

INDIANA PUBLIC SERVICE COMMISSION
901 State Office Building
Indianapolis, Indiana 46204
317-633-5359

Secretary: Max W. Tucker

Geological agency:

INDIANA DEPARTMENT OF NATURAL RESOURCES
Geological Survey
611 N. Walnut Grove
Bloomington, Indiana 47401
812-337-2862

State Geologist: John B. Patton

IOWA

Policy and fuel allocation:

IOWA ENERGY POLICY COUNCIL
707 E. Locust Street
Des Moines, Iowa 50319

Director: Rodson Riggs

Pub.: Iowa Energy Bulletin, monthly.
Annual reviews of energy in the state.

GENERAL - STATE AGENCIES

Regulatory utility agency:

IOWA STATE COMMERCE COMMISSION
State Capitol
Des Moines, Iowa 50319
515-281-5309

Executive Secretary: Dean A. Briley

Geological agency:

IOWA GEOLOGICAL SURVEY
123 N. Capitol
Iowa City, Iowa 52242
319-338-1173

State Geologist: Stanley C. Grant

KANSAS

Policy and fuel allocation:

KANSAS ENERGY OFFICE
503 Kansas Avenue
Topeka, Kansas 66612
913-296-2496

Director: Lamar Weaver, Jr.

Regulatory utility agency:

KANSAS STATE CORPORATION COMMISSION
State Office Building
Topeka, Kansas 66612
913-296-3326

Executive Secretary: Steven D. Carter

Geological agency:

KANSAS GEOLOGICAL SURVEY
1900 Avenue A, Campus West
University of Kansas
Lawrence, Kansas 66044
913-864-3965

Director: William W. Hambleton

GENERAL - STATE AGENCIES

KENTUCKY

Policy and fuel allocation:

KENTUCKY DEPARTMENT OF ENERGY
Capital Plaza Tower
Frankfort, Kentucky 40601
502-564-7416

Commissioner: Damon W. Harrison

Regulatory utility agency:

KENTUCKY PUBLIC SERVICE COMMISSION
P.O. Box 496
Frankfort, Kentucky 40601
502-564-3940

Secretary: Richard D. Heman, Jr.

Geological agency:

KENTUCKY GEOLOGICAL SURVEY
University of Kentucky
307 Mineral Industries Building
Lexington, Kentucky 40506
606-258-8991

LOUISIANA

Policy and fuel allocation:

LOUISIANA DEPARTMENT OF CONSERVATION
Division of Natural Resources and Energy
P.O. Box 44156
Baton Rouge, Louisiana 70804
504-389-5161

Chief: James Kinard

Regulatory utility agency:

LOUISIANA PUBLIC SERVICE COMMISSION
One American Place, Suite 1630
Baton Rouge, Louisiana 70804
504-389-5867

Secretary: Louis S. Quinn

Geological agency:

LOUISIANA GEOLOGICAL SURVEY
P.O. Box G, University Station
Baton Rouge, Louisiana 70803
504-389-5812

State Geologist: Leo W. Hough

MAINE

Policy and fuel allocation:

MAINE OFFICE OF ENERGY RESOURCES
55 Capitol Street
Augusta, Maine 04330
207-289-2196

Director: Abbie Page

Regulatory utility agency:

MAINE PUBLIC UTILITIES COMMISSION
State House
Augusta, Maine 04333
207-289-2448

Secretary: Howard M. Cunningham

Geological agency:

MAINE GEOLOGICAL SURVEY
State Office Building, Room 211
Augusta, Maine 04330
207-289-2801

State Geologist: Robert G. Doyle

MARYLAND

Policy and fuel allocation:

MARYLAND ENERGY POLICY OFFICE
301 W. Preston Street, 13th Floor
Baltimore, Maryland 21201
301-383-6810

Director: John P. Hewitt

GENERAL - STATE AGENCIES

Regulatory utility agency:

MARYLAND PUBLIC SERVICE COMMISSION
301 W. Preston Street, Room 904
Baltimore, Maryland 21201
301-383-2374

Executive Secretary: Frank J. Wasowicz

Geological agency:

MARYLAND GEOLOGICAL SURVEY
Johns Hopkins University
Merryman Hall
Baltimore, Maryland 21218
301-235-0771

Director: Kenneth N. Weaver

MASSACHUSETTS

Policy:

MASSACHUSETTS ENERGY POLICY OFFICE
1 Ashburton Place
Boston, Massachusetts 02133
617-727-4723

Director: Henry Lee

Pub.: The Economics of Nuclear Power: A New England Perspective. Comparative Energy Prices: An Analysis of Energy Prices in New England in Comparison with Those of Other Regions.

Fuel allocation:

MASSACHUSETTS DEPARTMENT OF CONSUMER AFFAIRS
1 Ashburton Place, Room 1413
Boston, Massachusetts 02108
617-727-7755

Regulatory utility agency:

MASSACHUSETTS DEPARTMENT OF PUBLIC UTILITIES
100 Cambridge Street
Boston, Massachusetts 02202
617-727-3500

Counsel: James P. Kiernan

Geological agency:

DEPARTMENT OF ENVIRONMENTAL QUALITY ENGINEERING
100 Nashua Street, Room 532
Boston, Massachusetts 02114
617-727-4795

State Geologist: Joseph A. Sinnott

MICHIGAN

Policy and fuel allocation:

MICHIGAN DEPARTMENT OF COMMERCE
Energy Administration
Law Building, 4th Floor
Lansing, Michigan 48913
517-374-9090

Director: Michael Dively

Regulatory utility agency:

MICHIGAN PUBLIC SERVICE COMMISSION
6545 Mercantile Way
Lansing, Michigan 48909
517-373-3244

Executive Secretary: Thomas R. Lonergan (Acting)

Geological agency:

MICHIGAN DEPARTMENT OF NATURAL RESOURCES
Geological Survey Division
P.O. Box 30028
Lansing, Michigan 48909
517-373-1256

State Geologist: Arthur E. Slaughter

MINNESOTA

Policy and fuel allocation:

MINNESOTA ENERGY AGENCY
701 American Center Building
St. Paul, Minnesota 55101
612-296-5120

Director: John P. Millhone

Regulatory utility agency:

MINNESOTA PUBLIC SERVICE COMMISSION
American Center Building, 7th Floor
St. Paul, Minnesota 55101
612-296-7107

Director: Lawrence Anderson

Geological agency:

MINNESOTA GEOLOGICAL SURVEY
University of Minnesota
1633 Eustis Street
St. Paul, Minnesota 55108
612-373-3372

Director: Matt S. Walton

MISSISSIPPI

Policy:

OFFICE OF THE GOVERNOR
State Capitol
Jackson, Mississippi 39205
601-354-7575

Assistant to the Governor (energy matters): Herman Glazier

Fuel allocation:

MISSISSIPPI FUEL AND ENERGY MANAGEMENT COMMISSION
Jackson, Mississippi 39205
601-948-3472

State Fuel Coordinator: George Cochran

Regulatory utility agency:

MISSISSIPPI PUBLIC SERVICE COMMISSION
P.O. Box 1174
Jackson, Mississippi 39205
601-354-7474

Executive Secretary: E.W. Robinson

GENERAL - STATE AGENCIES

Geological agency:

MISSISSIPPI GEOLOGICAL SURVEY
P.O. Drawer 4915
Jackson, Mississippi 39216
601-354-6228

Director: William H. Moore

MISSOURI

Policy and fuel allocation:

MISSOURI ENERGY AGENCY
P.O. Box 1309
Jefferson City, Missouri 65101
314-751-4000

Administrator: Everett Gallup

Regulatory utility agency:

MISSOURI PUBLIC SERVICE COMMISSION
P.O. Box 360
Jefferson City, Missouri 65101
314-751-3234

Secretary: Robert L. Gilmore

Geological agency:

MISSOURI GEOLOGICAL SURVEY
P.O. Box 250
Rolla, Missouri 65401
314-364-1752

Director: Wallace B. Howe

MONTANA

Policy:

MONTANA ENERGY ADVISORY COUNCIL
Lieutenant Governor's Office
State Capitol
Helena, Montana 59601
406-449-3773

Chairman: Lt. Gov. W. Christiansen

Pub.: Montana Energy Research, annual. Energy Consumption by Forestry and Agriculture in Montana. Montana Historical Energy Statistics.

Fuel allocation:

MONTANA FUEL ALLOCATION OFFICE
P.O. Box 1157
Helena, Montana 59601
406-449-3034

Administrator: C.L. Gilbertson

Regulatory utility agency:

MONTANA PUBLIC SERVICE COMMISSION
1227 Eleventh Avenue
Helena, Montana 59601
406-449-3019

Chairman: Gordon E. Bollinger

Geological agency:

MONTANA BUREAU OF MINES AND GEOLOGY
Montana College of Mineral Science and Technology
Butte, Montana 59701
406-792-8321

Director: S.L. Groff

NEBRASKA

Policy:

GOVERNOR'S ENERGY COMMITTEE
Capitol Building
Lincoln, Nebraska 68509
402-471-2244

Chairman: William Peters

Fuel allocation:

STATE OFFICE OF PETROLEUM ALLOCATION
P.O. Box 94841
Lincoln, Nebraska 68509
402-471-2867

Allocation Officer: G. J. Dworak

GENERAL - STATE AGENCIES

Regulatory utility agency:

NEBRASKA PUBLIC SERVICE COMMISSION
P.O. Box 94927
Lincoln, Nebraska 68509
402-471-3101

Secretary: Everett W. Green

Geological agency:

UNIVERSITY OF NEBRASKA
Conservation and Survey Division
Lincoln, Nebraska 68508
402-472-3471

Director and State Geologist:
Vincent H. Dreeszen

NEVADA

Policy:

STATE ENERGY RESOURCES ADVISORY BOARD
302 E. Carson Street, Suite 800
Las Vegas, Nevada 89101
702-385-2188

Chairman: Jon Collins

Fuel allocation:

NEVADA STATE FUEL ALLOCATION OFFICE
505 E. King Street
Carson City, Nevada 89710
702-885-4180

Chief: Kelly Jackson

Regulatory utility agency:

NEVADA PUBLIC SERVICE COMMISSION
505 E. King Street
Carson City, Nevada 89701
702-885-4180

Secretary: William W. Proksch, Jr.

Geological agency:

NEVADA BUREAU OF MINES AND GEOLOGY
University of Nevada
Reno, Nevada 89507
702-784-6691

Director: John H. Schilling

NEW HAMPSHIRE

Policy and fuel allocation:

GOVERNOR'S COUNCIL ON ENERGY
3 Capitol Street
Concord, New Hampshire 03301
603-271-2711

Director: Marshall Colbeigh

Regulatory utility agency:

NEW HAMPSHIRE PUBLIC UTILITIES COMMISSION
26 Pleasant Street
Concord, New Hampshire 03301
603-271-2452

Secretary: Dom S. D'Ambruoso

Geological agency:

NEW HAMPSHIRE DEPARTMENT OF RESOURCES AND ECONOMIC DEVELOPMENT
Geologic Branch
James Hall
University of New Hampshire
Durham, New Hampshire 03824
603-862-1216

State Geologist: Glenn W. Stewart

NEW JERSEY

Policy and fuel allocation:

NEW JERSEY STATE ENERGY OFFICE
101 Commerce Street
Newark, New Jersey 07102
201-648-3290

Administrator: Burt Ross

GENERAL - STATE AGENCIES

Regulatory utility agency:

NEW JERSEY BOARD OF PUBLIC UTILITY COMMISSIONERS
101 Commerce Street
Newark, New Jersey 07102
201-648-2017

Chief Regulatory Officer: Felix G. Forlenza

Geological agency:

NEW JERSEY BUREAU OF GEOLOGY AND TOPOGRAPHY
P.O. Box 2809
Trenton, New Jersey 08625
609-292-2576

State Geologist: Kemble Widmer

NEW MEXICO

Policy and fuel allocation:

NEW MEXICO ENERGY RESOURCES BOARD
P.O. Box 2770
Santa Fe, New Mexico 87501
505-827-2146

Administrator: John O'Leary

Regulatory utility agency:

NEW MEXICO PUBLIC SERVICE COMMISSION
State Capitol Building
Santa Fe, New Mexico 87501
505-827-2827

Administrator: Caroll R. Anderson

Geological agency:

NEW MEXICO STATE BUREAU OF MINES AND MINERAL RESOURCES
Socorro, New Mexico 87801
505-835-5420

Director: Frank E. Kottlowski

GENERAL - STATE AGENCIES

NEW YORK

Policy:

NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY
230 Park Avenue
New York, New York 10017
212-689-5070

Chairman: N. R. Werthamer

Fuel allocation:

FUEL EMERGENCY OFFICE
South Mall Tower
Empire State Plaza
Albany, New York 12223
518-474-1242

Regulatory utility agency:

NEW YORK PUBLIC SERVICE COMMISSION
Empire State Plaza
Albany, New York 12223
518-474-7080

Secretary: Samuel R. Madison

Geological agency:

NEW YORK STATE GEOLOGICAL SURVEY
New York State Education Building, Room 973
Albany, New York 12224
518-474-5816

NORTH CAROLINA

Policy and fuel allocation:

NORTH CAROLINA DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
Energy Division
215 E. Lane Street
Raleigh, North Carolina 27611
919-829-2230

Director: P. L. Hitchcock

Regulatory utility agency:

NORTH CAROLINA UTILITIES COMMISSION
P.O. Box 991
Raleigh, North Carolina 27602
919-733-4249

Chairman: Tenney I. Deane, Jr.

Geological agency:

NORTH CAROLINA DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES
Office of Earth Resources
P.O. Box 27687
Raleigh, North Carolina 27611
919-829-3833

Director: Stephen G. Conrad

NORTH DAKOTA

Policy:

OFFICE OF THE GOVERNOR
Capitol Building
Bismarck, North Dakota 58505
701-224-2200

Energy Coordinator: Charles Metzger

Fuel allocation:

OFFICE OF ENERGY MANAGEMENT
P.O. Box 1817
Bismarck, North Dakota 58501
701-224-3301

Manager: W. D. Robinson

Regulatory utility agency:

NORTH DAKOTA PUBLIC SERVICE COMMISSION
State Capitol
Bismarck, North Dakota 58505
701-224-2400

Secretary: Janet Sauter

Geological agency:

NORTH DAKOTA GEOLOGICAL SURVEY
University Station
Grand Forks, North Dakota 58201
701-777-2231

State Geologist: Edwin A. Noble

OHIO

Policy and fuel allocation:

OHIO ENERGY AND RESOURCE DEVELOPMENT AGENCY
30 E. Broad Street
Columbus, Ohio 43215
614-466-7700

Director: Robert Ryan

Regulatory utility agency:

OHIO PUBLIC UTILITIES COMMISSION
180 E. Broad Street
Columbus, Ohio 43214
614-466-3791

Chairman: C. Luther Heckman

Geological agency:

OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Geological Survey
Fountain Square, Building 6
Columbus, Ohio 43224
614-466-5344

State Geologist: Horace R. Collins

OKLAHOMA

Policy and fuel allocation:

OKLAHOMA DEPARTMENT OF ENERGY
4400 N. Lincoln Boulevard
Oklahoma City, Oklahoma 73105
405-521-3941

Director: Richard Hill

GENERAL - STATE AGENCIES

Regulatory utility agency:

OKLAHOMA CORPORATION COMMISSION
Jim Thorpe Office Building
Oklahoma City, Oklahoma 73105
405-521-2255

Secretary: Ed Overholser

Geological agency:

OKLAHOMA GEOLOGICAL SURVEY
University of Oklahoma
830 Van Vleet Oval, Room 163
Norman, Oklahoma 73069
405-325-3031

Director: Charles J. Mankin

OREGON

Policy and fuel allocation:

OREGON DEPARTMENT OF ENERGY
528 Cottage Street, N.E.
Salem, Oregon 97310
503-378-4040

Director: D. Lon Topaz

Regulatory utility agency:

OREGON PUBLIC UTILITY COMMISSIONER
300 Labor and Industries Building
Salem, Oregon 97310
503-378-6601

Commissioner: Charles Davis

Geological agency:

OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
1069 State Office Building
Portland, Oregon 97201
503-229-5580

State Geologist: Raymond E. Corcoran

GENERAL - STATE AGENCIES

PENNSYLVANIA

Policy and fuel allocation:

GOVERNOR'S ENERGY COUNCIL
Payne-Shoemaker Building, Room 905
Harrisburg, Pennsylvania 17120
717-787-9749

Executive Director: William B. Harral

Regulatory utility agency:

PENNSYLVANIA PUBLIC UTILITY COMMISSION
P.O. Box 3265
Harrisburg, Pennsylvania 17120
717-783-1740

Secretary: Cornelius J. McElwee

Geological agency:

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Topographic and Geologic Survey
P.O. Box 2357
Harrisburg, Pennsylvania 17120
717-787-2169

Director: Arthur A. Socolow

RHODE ISLAND

Policy and fuel allocation:

RHODE ISLAND STATE ENERGY OFFICE
State House
Providence, Rhode Island 02903
401-421-7333

Coordinator: J. D. Hannon

Regulatory utility agency:

RHODE ISLAND PUBLIC UTILITIES COMMISSION
100 Orange Street
Providence, Rhode Island 02903
401-277-3500

Administrator: Edward F. Burke

Geological agency:

UNIVERSITY OF RHODE ISLAND
Graduate School of Oceanography
Kingston, Rhode Island 02881
401-722-3142

Associate State Geologist for Marine Affairs: Robert L. McMaster

SOUTH CAROLINA

Policy and fuel allocation:

SOUTH CAROLINA ENERGY MANAGEMENT OFFICE
1429 Senate Street
Columbia, South Carolina 29201
803-758-2050

Director: D. S. Harter

Regulatory utility agency:

SOUTH CAROLINA PUBLIC SERVICE COMMISSION
P.O. Box 11649
Columbia, South Carolina 29211
803-758-3621

Chairman: Rudolph Mitchell

Geological agency:

SOUTH CAROLINA STATE DEVELOPMENT BOARD
Division of Geology
Harbison Forest Road
Columbia, South Carolina 29210
803-758-6431

State Geologist: Norman K. Olson

SOUTH DAKOTA

Policy and fuel allocation:

SOUTH DAKOTA OFFICE OF ENERGY POLICY
Capitol Building
Pierre, South Dakota 57501
605-224-3603

Director: Max Gors

Regulatory utility agency:

SOUTH DAKOTA PUBLIC UTILITIES COMMISSION
Capitol Building
Pierre, South Dakota 57501
605-224-3203

Executive Secretary: Joe Norton

Geological agency:

SOUTH DAKOTA STATE GEOLOGICAL SURVEY
University of South Dakota
Vermillion, South Dakota 57069
605-624-4471

State Geologist: Duncan J. McGregor

TENNESSEE

Policy and fuel allocation:

TENNESSEE STATE ENERGY OFFICE
Capitol Hill Building, Room 250
Nashville, Tennessee 37219
615-741-1772

Director: E. J. Spitzer

Regulatory utility agency:

TENNESSEE PUBLIC SERVICE COMMISSION
Cordell Hull Building, C1-102
Nashville, Tennessee 37219
615-741-2904

Executive Secretary: James L. Talbot

Geological agency:

TENNESSEE DEPARTMENT OF CONSERVATION
Division of Geology
State Office Building, G-5
Nashville, Tennessee 37219
615-741-2726

State Geologist: Robert E. Hershey

GENERAL - STATE AGENCIES

TEXAS

Policy and fuel allocation:

GOVERNOR'S ENERGY ADVISORY COUNCIL
7703 N. Lamar Street
Austin, Texas

Executive Director: A.C. Askew

Pub.: Texas Energy Outlook: The Next Quarter Century. The Potential for Energy Conservation in Texas. Texas Energy Policy.

Regulatory utility agency:

TEXAS PUBLIC UTILITY COMMISSION
7800 Shoal Creek Boulevard
Austin, Texas 78757
512-475-7901

Chairman: Garrett Morris

Geological agency:

TEXAS BUREAU OF ECONOMIC GEOLOGY
University of Texas, Box X
Austin, Texas 78712
512-471-1534

Director: Charles Groat (Acting)

UTAH

Policy and fuel allocation:

UTAH DEPARTMENT OF NATURAL RESOURCES
State Energy Office
State Capitol, Room 438
Salt Lake City, Utah 84118
801-533-5356

State Energy Coordinator:
Clifford R. Collings

Regulatory utility agency:

UTAH PUBLIC SERVICE COMMISSION
330 E. Fourth South Street
Salt Lake City, Utah 84111
801-533-5519

Secretary: Ronald E. Casper

Geological agency:

UTAH DEPARTMENT OF NATURAL RESOURCES
Utah Geological and Mineral Survey
606 Black Hawk Way
Salt Lake City, Utah 84108
801-581-6831

Director: Donald T. McMillan

VERMONT

Policy and fuel allocation:

VERMONT STATE ENERGY OFFICE
Pavillion Office Building
Montpelier, Vermont 05602
802-828-2768

Director: Forrest Orr

Pub.: Vermont Energy News, monthly.

Regulatory utility agency:

VERMONT PUBLIC SERVICE BOARD
120 State Street
Montpelier, Vermont 05602
802-828-2321

Chairman: Richard H. Saudek

Geological agency:

VERMONT AGENCY OF ENVIRONMENTAL CONSERVATION
Office of State Geologist
5 Court Street
Montpelier, Vermont 05602
802-828-3357

State Geologist: Charles A. Ratte

GENERAL - STATE AGENCIES

VIRGINIA

Policy and fuel allocation:

VIRGINIA ENERGY OFFICE
823 E. Main Street
Richmond, Virginia 23219
804-786-8451

Director: Louis R. Lawson, Jr.

Regulatory utility agency:

VIRGINIA STATE CORPORATION COMMISSION
P.O. Box 1197
Richmond, Virginia 23209
804-786-3601

Chairman: Preston C. Shannon

Geological agency:

VIRGINIA DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT
Division of Mineral Resources
P.O. Box 3667
Charlottesville, Virginia 22903
804-293-5121

State Geologist: James L. Calver

WASHINGTON

Policy:

WASHINGTON ENERGY POLICY COUNCIL
312 First Avenue, N.
Seattle, Washington 98109
206-464-6978

Chairman: James Crutchfield

Policy and fuel allocation:

WASHINGTON STATE ENERGY OFFICE
106 Maple Park
Olympia, Washington 98504
206-753-2417

Director: Keith Sherman

Regulatory utility agency:

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION
Highway-Licenses Building
Olympia, Washington 98504
206-753-6423

Administrative Manager: Vacant

Geological agency:

WASHINGTON DEPARTMENT OF NATURAL RESOURCES
Geology and Earth Resources Division
Olympia, Washington 98504
206-753-6183

State Geologist: Vaughan E. Livingston, Jr.

WEST VIRGINIA

Policy and fuel allocation:

WEST VIRGINIA FUEL AND ENERGY OFFICE
1262-1/2 Greenbrier Street
Charleston, West Virginia 25311
304-348-8860

Director: John D. Anderson, III

Regulatory utility agency:

WEST VIRGINIA PUBLIC SERVICE COMMISSION
Capitol Building, Room E-217
Charleston, West Virginia 25305
304-348-2182

Secretary: S. Grover Smith, Jr.

Geological agency:

WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY
P.O. Box 879
Morgantown, West Virginia 26505
304-292-6331

Director: Robert B. Erwin

GENERAL - STATE AGENCIES

WISCONSIN

Policy and fuel allocation:

WISCONSIN OFFICE OF EMERGENCY ENERGY ASSISTANCE
P.O. Box 5368
Madison, Wisconsin 53705
608-266-8234

Director: Charles J. Cicchetti

Regulatory utility agency:

WISCONSIN PUBLIC SERVICE COMMISSION
432 Hill Farms State Office Building
Madison, Wisconsin 53702
608-266-1241

Executive Secretary: Lewis T. Mit

Geological agency:

WISCONSIN GEOLOGICAL AND NATURAL HISTORY SURVEY
University of Wisconsin
1815 University Avenue
Madison, Wisconsin 53706
608-262-1705

Director: Meredith E. Ostrom

WYOMING

Policy and fuel allocation:

WYOMING DEPARTMENT OF ECONOMIC PLANNING AND DEVELOPMENT
Mineral Development Division
720 W. 18th Street
Cheyenne, Wyoming 82002
307-777-7284

Chief: John Goodier

Regulatory utility agency:

WYOMING PUBLIC SERVICE COMMISSION
Supreme Court Building
Cheyenne, Wyoming 82001
307-777-7427

Chairman: Charles E. Johnson

Geological agency:

GEOLOGICAL SURVEY OF WYOMING
P.O. Box 3008, University Station
Laramie, Wyoming 82071
307-742-2054

State Geologist: Daniel N. Miller, Jr.

LOCAL AGENCIES

CINCINNATI

CITY ENERGY CONSERVATION COMMITTEE
c/o Department of Purchasing
City Hall, Room 162
Cincinnati, Ohio 45202

Chairman: George Rowe

DENVER

CITIZENS ENERGY MANAGEMENT ADVISORY COUNCIL
City and County Building, Room 3
Denver, Colorado 80202
303-297-2721

Chairman: John G. Powell

LONG BEACH

CITY OF LONG BEACH COMMUNITY AND GOVERNMENT CONSERVATION COMMITTEE
Long Beach Gas Department
2400 E. Spring Street
Long Beach, California 90806

Chairman: Robert J. O'Donnell

MILWAUKEE

ENERGY CONSERVATION TASK FORCE
Science and Technology Utilization Council
Office of the Mayor
City Hall
Milwaukee, Wisconsin 53202
414-278-2200

Executive Director: Frederick A. Klein

NEW ORLEANS

SPECIAL COMMITTEE ON ENERGY
City Hall
1300 Perdido Street
New Orleans, Louisiana 70112

Chairman: Douglas C. Augustin

NEW YORK CITY

COUNCIL ON THE ENVIRONMENT OF NEW YORK CITY
51 Chambers Street
New York, New York 10007

Pub.: Energy and the New York City Environment. Waste Oil Recycling: The New York Metropolitan Area.

NORFOLK

ENERGY CONSERVATION COMMITTEE
804 City Hall
Norfolk, Virginia 23501

Chairman: G. D. Monola

SAN FRANCISCO

CONSERVATION TASK FORCE
855 Harrison Street
San francisco, California 94107

Coordinator: Patrick Phillips

TOLEDO

ENERGY CONSERVATION TASK FORCE
Council Chambers, Safety Building
525 N. Erie Street
Toledo, Ohio 43624

Chairman: Dan McNamara

TULSA

ENERGY CONSERVATION COORDINATOR
200 Civic Center
Tulsa, Oklahoma 74103

Coordinator: Jim McAdams

GENERAL - OTHER ORGANIZATIONS

OTHER ORGANIZATIONS

ACCOUNTANTS FOR THE PUBLIC INTEREST
351 California Street
San Francisco, California 94104
415-956-3222

Provides no-fee accounting advice and services to other tax-exempt organizations. API's main activities in the energy field have been in analyzing costs of service, rates of return, and rate bases of public electric and gas utilities. Pub.: PI-The Public Interest Accounting Newsletter, bimonthly.

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE (AAAS)
1515 Massachusetts Avenue, N.W.
Washington, D.C. 20036
202-467-4400

The major scientific professional organization in the U.S. Its publications include Science, weekly, which frequently includes coverage of items affecting energy policy; Energy and the Future (1973), an excellent overview of problems and possibilities; Energy: Use, Conservation, and Supply (compendium of articles in Science); and cassette recordings, including Energy: A Dialogue, and discussions of energy and food production, nuclear energy, offshore oil production, and solar, wind, and fusion sources.

AMERICAN BAR ASSOCIATION (ABA)
1155 E. 60th Street
Chicago, Illinois 60637
312-947-3941

Maintains a Public Utility Law Section and a Special Committee on Energy Law. Reports.

AMERICAN CHEMICAL SOCIETY (ACS)
1155 16th Street, N.W.
Washington, D.C. 20036
202-872-4600

The major professional association of chemists. Concerned with all aspects of chemistry related to energy. Special study, "Energy and the Environment - The Chemical Viewpoint," seeks to identify the chemical and technical problems associated with the development of energy resources, and to recommend measures that will help to accelerate the economic use of applied scientific principles to these problems; report due in late 1978.

Pub.: Chemical and Engineering News, weekly. Environmental Science and Technology, monthly journal for scientists and engineers engaged in the study and maintenance of the natural environment through application of chemical principles. ACS Advances in Chemistry Series, including reports on aspects of petroleum, coal, fuel cells, fuel gasification, radioactive waste management, methane, etc. ACS Symposium Series, including Petroleum Derived Carbons (1976). Audio tapes on various aspects of energy.

AMERICAN ENTERPRISE INSTITUTE FOR PUBLIC POLICY RESEARCH (AEI)
1150 Seventeenth Street, N.W.
Washington, D.C. 20036
202-296-5616

A "nonprofit, nonpartisan, educational and research organization" which "aims to provide balanced analyses of topical public policy issues and pending federal legislation...We commission the preparation of succinct, readable studies and analyses by recognized experts from the academic world and other sources." Areas of concentration are economics, law, government, and foreign policy.

Organizes public meetings. Publications include Regulation, a bimonthly journal on government and society; Memorandum, quarterly, reporting on AEI activities; and some 90 reports a year.

AEI's National Energy Project was established in 1974 to examine the broad array of issues affecting energy demands and supplies in the U.S. The project commissioned research into "all important ramifications of the energy problem - economic and political, domestic and international, private and public." While the project was formally terminated in 1976, energy policy studies continue, with the main objective of providing nonpartisan analysis and developing diverse options on energy problems. Works in process include energy policies surrounding the trans-Alaska pipeline; the process "by which so-called public interest

GENERAL - OTHER ORGANIZATIONS

lobbies attain and integrate scientific, technical, and economic opinions in formulating their policy positions"; federal petroleum allocation; alternative policies for obtaining Arctic oil and gas reserves; and the performance of federal energy research and development programs.

Recent reports include: Vertical Integration in the Oil Industry (1976); Public Interest Lobbies: Decision Making on Energy (1976); Middle East Oil in a Revolutionary Age (1976); The World Price of Oil: A Medium-Term Analysis (1976); Offshore Oil: Costs and Benefits (1976); Energy Policy: A New War Between the States? (1976); The Question of Offshore Oil (1976); Energy: Regional Goals and the National Interest (1976); The Energy Crisis (1974); Energy Self-Sufficiency: An Economic Evaluation (1974); Is Nuclear Power Safe? (1975); Natural Gas Regulation (1974); and U.S. Energy Policy: A Primer (1974). Some symposia are also available in cassette tape form. Catalog.

AMERICAN GEOGRAPHICAL SOCIETY (AGS)
Broadway at 156th Street
New York, New York 10032
212-234-8100

Through its publications and exhibits, disseminates information on energy resources in the geographic perspective, focusing on energy and the environment, alternate sources, the polar regions, and energy in the New York metropolitan area. Pub.: Geographical Review, quarterly. Focus, bimonthly. Current Geographical Publications, monthly.

AMERICAN GEOLOGICAL INSTITUTE
5205 Leesburg Pike
Falls Church, Virginia 22041
703-379-2480

A federation of 18 professional societies in the earth sciences, most of them concerned in one way or another with minerals and fuels. Nearly all members of the societies are professional geologists or geophysicists.

Pub.: Geotimes, monthly magazine. GEOREF, an automated bibliographic service. Technical reports and manuals. Catalog.

AMERICAN GEOPHYSICAL UNION (AGU)
1909 K Street, N.W.
Washington, D.C. 20006
202-331-0370

Executive Director: A.F. Spilhaus, Jr.

Professional organization concerned with the scientific study of energy production, conservation, and distribution; geophysical energy resources (solar, geothermal, etc.); social aspects of the derivation of energy; and the effects of such derivation on the natural environment.

Pub.: EOS Transactions, monthly. Journal of Geophysical Research, 3 times a month. Water Resources Research, bimonthly. Reviews of Geophysics & Space Physics, quarterly.

AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS
1290 Avenue of the Americas
New York, New York 10019
212-581-4300

Major professional organization. Concerns include energy as it relates to space technology, aircraft fuel conservation, and solar power. Pub.: Journal of Energy, bimonthly.

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS
345 E. 47th Street
New York, New York 10017
212-644-7500

Executive Secretary: F.J. Van Antwerpen

Professional organization; concerns include application of chemical engineering techniques to energy problems.

AMERICAN INSTITUTE OF INDUSTRIAL ENGINEERS (AIIE)
25 Technology Park
Norcross, Georgia 30092
404-449-0460

Executive Director: David L. Belden

Professional organization. Each of the Institute's 19 technical and industry divisions has

established a column for exchange of energy-saving ideas in its newsletter. Pub.: Industrial Engineering, monthly, which includes an "Energy Information Exchange" column. AIIE Transactions, quarterly. The Engineering Economist, quarterly.

AMERICAN INSTITUTE OF MINING, METALLURGICAL, AND PETROLEUM ENGINEERS, INC.
345 E. 47th Street
New York, New York 10017
212-644-7695

Executive Director: J. B. Alford

Professional engineering association composed of the Society of Mining Engineers, The Metallurgical Society, the Iron and Steel Society, and the Society of Petroleum Engineers. Pub.: Mining Engineering, monthly. Journal of Petroleum Technology, monthly.

AMERICAN INSTITUTE OF PHYSICS
334 E. 45th Street
New York, New York 10017
212-661-9404

Director: A. W. Koch

A federation of professional societies in physics. Publications contain articles of interest to scientists working in energy-related fields. They include: Applied Physics Letters, semimonthly, short reports of important new findings in applied physics. Journal of Applied Physics, monthly, applying physics in industry and other sciences. Physics Today, a monthly magazine reporting developments in physics for physicists and others. Physics and the Energy Problem: Proceedings of the Topical Conference on Energy (1974). Efficient Uses of Energy: The APS Studies on the Technical Aspects of the More Efficient Use of Energy (1975).

GENERAL - OTHER ORGANIZATIONS

AMERICAN MINING CONGRESS
1200 18th Street, N.W., Suite 1100
Washington, D.C. 20036
202-331-8900

President: J. Allen Overton, Jr.
Vice President and Lobbyist: Ralph C. Beerbower

A national trade association whose membership consists of companies that produce most of the nation's ferrous and nonferrous metals, coal, industrial and agricultural minerals, as well as suppliers of equipment and services to the mining industry.

Pub.: Mining Congress Journal, monthly, includes technical articles on such topics as coal waste disposal and mining techniques, and regular departments on federal legislation and regulation. Declaration of Policy, annual, setting forth industry views on national issues.

AMERICAN PHYSICAL SOCIETY (APS)
335 E. 45th Street
New York, New York 10017
212-685-9422

Executive Secretary: W. W. Havens, Jr.

Professional organization of physicists. Divisions include a Forum on Physics and Society. Pub.: Physics Review, various editions and frequencies. Physical Review Letters, weekly, including short reports of important new findings. Reviews of Modern Physics, quarterly. Bulletin of the American Physical Society, 13 times a year, containing abstracts of papers given at meetings, and internal society news. Concerns have included nuclear safety and energy efficiency.

AMERICAN PUBLIC WORKS ASSOCIATION (APWA)
1313 E. 60th Street
Chicago, Illinois 60637
312-947-2520

Executive Director: Robert D. Bugher
Director of Institute Affairs: Wayne L. Kost

National organization of public officials concerned with public works. APWA has been active in representing fuel and other energy

GENERAL - OTHER ORGANIZATIONS

needs of public works agencies before federal authorities. Its Institute for Equipment Services has sponsored a seminar on "Fuel Shortages - Impact on Governmental Services." Pub.: APWA Reporter, monthly.

AMERICAN RIGHT OF WAY ASSOCIATION (ARWA)
3727 W. Sixth Street, Suite 504
Los Angeles, California 90020
213-383-2117

Executive Director: Richard E. Matheny

Professional organization of engineers, appraisers, and attorneys concerned with easements and lands on which public service projects are built, including highways and utilities. Pub.: Right of Way Magazine, bimonthly, including such articles as "Railroads Have the Capacity to Handle the Nation's Coal-Hauling Job" and "Facing the Energy Future: Let's Have Some Guidelines."

AMERICAN SOCIETY FOR INFORMATION SCIENCE (ASIS)
1155 Sixteenth Street, N.W.
Washington, D.C. 20036

Publications have included Energy Information Resources: An Inventory of Energy Research and Development Information Resources in the United States (1975).

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)
1916 Race Street
Philadelphia, Pennsylvania 19103
215-299-5400

Managing Director: W.T. Cavanaugh
Assistant Manager: John H. Bystrom

ASTM's function is developing "voluntary consensus standards" for products, materials, and processes in various fields, including those related to energy; concerned committees include:

-- Committee E-21 on Space Simulation and Applications of Space Technology. Purview includes use of solar energy and energy conservation. Among its subcommittees are: Solar Electric, Thermal, and Stored Energy Utilization (E-21.09); Heating and Cooling Application (E-21.10); and Conservation of Energy (E-21.12).

-- Committee E-10 on Radioisotopes and Radiation Effects.

-- Committee E-38 on Resource Recovery.

-- Committee D-5 on Coal and Coke.

AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE)
345 E. 47th Street
New York, New York 10017
212-PL 2-6800

Executive Director: Eugene Zwoyer

Devoted to the advancement of the civil engineering profession and the improvement of engineering technique; it has some 72,000 members. Many of its numerous divisions, councils, and committees are concerned with energy-related matters. These include:

-- Construction Division, including a Technical Committee on Construction of Nuclear Facilities;

-- Hydraulics Division, including Technical Committees on Hydrometeorology and Hydraulic Structures;

-- Power Division, including Technical Committees on Environmental Effects of Power Projects; Fossil Power; Hydro Power Project Planning and Design; Maintenance of Power Projects; Nuclear Power; and Planning and Economics.

-- Technical Council on Water Resources Planning and Management, including Technical Committees on Water Resources Planning and Water Resources Systems.

ASCE publishes a wide range of materials. The basic periodical is Civil Engineering, a monthly magazine. Each of the technical divisions issues a newsletter and proceedings. Catalog.

ASCE maintains a National Energy Policy Committee.

GENERAL - OTHER ORGANIZATIONS

-- Committee D-2 on Petroleum Products and Lubricants.

-- Committee D-3 on Gaseous Fuels.

-- Committee C-16 on Thermal and Cryogenic Insulating Materials.

-- Committee C-26 on Fuel, Control, and Moderator Materials for Nuclear Reactor Applications.

ASTM's major publication is its Annual Book of ASTM Standards, issued in 48 parts and comprising some 39,000 pages. Standardization News is issued monthly.

THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME)
345 E. 47th Street
New York, New York 10017
212-644-7722

Executive Director: Rogers B. Finch
Managing Director, Technical Departments: Walter B. Moen
Managing Director, Codes and Standards: M.R. Green
Deputy Executive Director: E.H. Walton

Professional organization. ASME's Power Department includes divisions on Diesel and Gas Engine Power; Energetics; Fuels; Gas Turbine; Nuclear Engineering; and Power; and a Solar Energy Applications Group.

Pub.: A great number of publications are issued (catalog available). The basic periodical is Mechanical Engineering, monthly. The Journal of Engineering for Power, quarterly, reports on air pollution, energy conversion, fuels, gas turbines, internal combustion, nuclear energy, power generation, solar power, and other energy-related matters. Technical books and reports are issued on such topics as nuclear energy systems, solar energy, and electric power plant design.

AMERICAN SOCIETY OF PLANNING OFFICIALS (ASPO)
1313 E. 60th Street
Chicago, Illinois 60637
312-947-2560

Director of Research: David Mosena
Senior Research Associate (Energy Matters): Charles Thurow

National association of professional planners, public officials, and citizens concerned with urban and regional planning. Interests include urban growth and land use patterns as they relate to energy use. Projects have included a workshop on the impacts of offshore oil; and a study, "Planning for Solar Access in New Residential Development" (report to be published in mid-1978).
Pub.: Planning, a monthly magazine. Planning Advisory Service Memo, monthly.

AMERICANS FOR DEMOCRATIC ACTION (ADA)
1411 K Street, N.W.
Washington, D.C. 20005
202-638-6447

A national liberal political organization that supports reforms "with a view to moving, as quickly as possible, toward public ownership of the natural resources necessary to the production of energy in the United States." A policy statement, "Energy," is available from the national office. Other publications include: ADA World, monthly newspaper; and ADA Legislative Newsletter, bimonthly.

AMERICANS FOR ENERGY INDEPENDENCE
1500 Wilson Boulevard
Arlington, Virginia 22209
703-525-6162

President: Cecily Selby

According to the newsletter of the (former) Federal Energy Administration, this group was "founded by Dr. Zalman Shapiro, Westinghouse's fusion chief, and Dr. Hans Bethe, a nuclear physicist at Cornell and a Nobel laureate." Its purpose is to work for U.S. energy self-sufficiency. Promotes increased use of coal and nuclear energy and conservation and better efficiency of use of existing

GENERAL - OTHER ORGANIZATIONS

energy supplies. Pub.: AEI Newsletter, quarterly. AEI Position Papers, irregular.

ANNUAL REVIEWS
4139 El Camino Way
Palo Alto, California 94306

A nonprofit group that publishes 21 annual reviews of difference fields of science, including Energy and Earth and Planetary Sciences.

ARCTIC INSTITUTE OF NORTH AMERICA
3426 N. Washington Boulevard
Arlington, Virginia 22201
703-527-2678

Established to assist and cooperate towards the orderly development of the Arctic and the Middle North. Conducts studies of environmental, developmental, and social problems. While the Institute has no special concentration on energy issues, these have become prominent because of the important role of the Arctic in supplying energy needs. Pub.: Arctic, a quarterly scientific journal. Technical papers and bibliographies.

THE ASSOCIATION OF AMERICAN STATE GEOLOGISTS (AASG)
c/o Delaware Geological Survey
University of Delaware
Newark, Delaware 19711

President: Arthur A. Socolow

Composed of the directors of state geological agencies. Pub.: The State Geologists Journal, annual.

BATTELLE MEMORIAL INSTITUTE
505 King Avenue
Columbus, Ohio 43201
614-424-6424

President: Sherwood L. Fawcett
Director, Corporate Technical Development: Frank G. Dawson

Conducts research on a contract basis for industry and government on a wide range of subjects concerned with production, use, and conservation of energy, with a major focus on coal and nuclear power. Other current interests include "energy farms" (biomass), ocean thermal energy conversion, wind energy, offshore pipelines, and use of waste materials. Pub.: Research Futures, semiannual report on activities; Published Papers and Articles, annual (includes a section on "Energy Technology and Resources").

BOSTON COLLEGE
Energy Research Center and Weston Observatory
Concord Road
Weston, Massachusetts 02193
617-899-0950

Director: James W. Skehan, S.J.

Conducts studies in geophysics and the geology of the New England region. Coal has been a major interest. Reports.

THE BROOKINGS INSTITUTION
1775 Massachusetts Avenue, N.W.
Washington, D.C. 20036
202-797-6000

President: Bruce K. MacLaury
Senior Fellow (energy matters): Joseph Yager

A major national policy research organization. It assisted the Ford Foundation's Energy Policy Project; current interests include energy regulation and energy and the environment. Pub.: Brookings Bulletin, quarterly. Brookings Papers on Economic Activity, 3 times a year. Higher Oil Prices and the World Economy.

CALIFORNIA CITIZEN ACTION GROUP (CalCAG)
909 Twelfth Street
Sacramento, California 95814

Grassroots consumer action organization; part of Ralph Nader's network. Policy research; lobbying; litigation; public information. Interests have included nuclear safety issues, utility regulation, and other energy-related matters. Pub.: Citizen Sun, monthly.

CALIFORNIA INSTITUTE OF TECHNOLOGY
Environmental Quality Laboratory (EQL)
Pasadena, California 91125
213-795-6811

Director: Norman H. Brooks

GENERAL - OTHER ORGANIZATIONS

Energy policy has been a major research interest, with projects on geothermal energy, energy economics, alternative automobile engines, energy conservation, and environmental impacts. Pub.: Reports.

CALIFORNIA STATE UNIVERSITY AND COLLEGES
Statewide Energy Consortium
c/o California State University, Fullerton
Fullerton, California 92631

Director: G. Cleve Turner

Consortium of the 19 campuses of the CSUC system. Sponsors workshops for teachers and a technical assistance corps to help citizens, public agencies, and businesses arrive at solutions to energy-related problems.

CENTER FOR CALIFORNIA PUBLIC AFFAIRS
226 W. Foothill Boulevard
Claremont, California 91711
714-624-5212

President: Thaddeus C. Trzyna

A foundation affiliated with The Claremont Colleges concerned mainly with the character, public problems, and future development of California. Held a major conference in November 1976, "Oil and Gas from Alaska: Choices for California." Anticipates publication of a California energy handbook. See also: Public Affairs Clearinghouse.

CENTER FOR ENERGY INFORMATION
Address unknown since first edition.

CENTER FOR LAW AND SOCIAL POLICY (CLSP)
1751 N Street, N.W.
Washington, D.C. 20036
202-872-0670

Director: Joseph N. Onek

Public interest law firm. Energy-related matters have included the Alaska pipeline, coal mine safety, supertanker safety, ocean going vessel pollution, offshore drilling, and exports of nuclear power plants and fuel.

CENTER FOR NEW CORPORATE PRIORITIES
1516 Westwood Boulevard, Suite 202
Los Angeles, California 90024
213-475-5856

Executive Director: James C. Lowery
Project Director: Ronald B. Greenspun

Conducts research and reports on corporate social responsibility issues, primarily in the field of finance. Currently, the center's interests include a study examining the need for "ecobanking," an investigation of loans and investments and environmental policies at top U.S. banks. Studies on energy problems are planned.

CENTER FOR SCIENCE IN THE PUBLIC INTEREST (CSPI)
Citizens' Energy Project
1757 S Street, N.W.
Washington, D.C. 20009
202-332-4252

Director: Albert J. Fritsch
Coordinator: Ken Bossong

Created to investigate and offer solutions to consumer and environmental problems related to energy. A major purpose is to "bring energy planning and policy making out of the closets of the federal bureaucracy and big business and into the hands of citizens and local communities." The Project's first major action was the publication shortly before the 1973 Arab oil embargo of Big Oil, a factbook on the eight largest oil companies. This was followed by Interlocking Oil and the Citizen's Oil Factbook. Shale Oil, a critique of the Interior Department's shale oil program, is believed to have contributed to its eventual collapse.

Publications currently available include: People and Energy, a monthly newsletter of news, resources, and analysis. Solar Energy: One Way to Citizen Control (1976). Survey of Local Energy Development Programs (1976). Federal Energy Funding (1976). Vermont Energy Coordinators (1976, a summary of the state's Act 226 and how it is implemented).

GENERAL - OTHER ORGANIZATIONS

Books, Pamphlets, and Newsletters (1976, a summary of reviews of citizen-oriented energy publications). Energy Education Bibliography (1976). Nuclear Compendium (1976). Utilities Compendium (1976). Solar Resources (1976). Geothermal Energy Resources (1976). Solar Home Survey (1976).

Other activities have included conferences; working to place consumer spokespersons on federal energy advisory committees; and assisting community organizations to secure lifeline utility reforms, develop conservation projects, and oppose nuclear power. The Project's Local Energy Action Program (LEAP) handles individual requests for information, compiles resource lists, and conducts short energy studies.

Research is underway on such issues as the social impacts of coal mine blasting in Appalachia; clean energy alternatives to nuclear power; problems posed by big energy company involvement in solar energy; and "harassment of anti-nuclear groups by government agencies."

CENTER FOR STRATEGIC AND INTERNATIONAL STUDIES
1800 K Street, N.W.
Washington, D.C. 20006

Studies have included The Energy Independence Authority, which discusses the policy of limiting U.S. dependence on energy imports and the role governmental and private institutions should play.

CENTER FOR THE STUDY OF DEMOCRATIC INSTITUTIONS
P.O. Box 4068
Santa Barbara, California 93103
805-969-3281

Created in 1959 to "clarify the basic issues and widen the circles about them." A series of conferences on energy policies and the international system was held in the early 1970s to critically analyze the present system of energy production, distribution, and consumption in the world, and the existing organizations to cope with the problem; a projection of change over the next decade or two; and a distinguishing of the problems that can be dealt with within national frameworks from problems which cannot be dealt with in those frameworks. A list of the publications that resulted is available.

CHAMBER OF COMMERCE OF THE UNITED STATES
1615 H Street, N.W.
Washington, D.C. 20062
202-659-6000

Director, Natural Resources, Energy and Environment Department: David Luken

Business-oriented organization. Sponsors the Industrial Energy Users Forum (with the National Association of Manufacturers and the Business Round Table). Lobbies on energy matters before federal agencies, and before state agencies when state issues are deemed of national importance. Pub.: Nation's Business, monthly. Congressional Action, weekly. Washington Report, bimonthly. Special reports.

CITIZENS ACTION FOR SAFE ENERGY
44 W. Main Street
Plymouth, Massachusetts 06782
617-283-4043

CITIZENS COMMITTEE ON THE ENERGY CRISIS
Address unknown since first edition.

CITIZENS' ENERGY CONFERENCE
Held in February 1974 under the sponsorship of the Center for Science in the Public Interest, Environmental Action Foundation, and Movement for Economic Justice. Over a thousand people from 46 states attended in an effort to gather information about the real nature of the "energy crisis" and begin to work out options for citizen action and change. One product of the conference is a booklet, Who's Got the Power: A Resource Guide, 1974, listing groups and individuals concerned with various aspects of the energy problem; this is available from the sponsoring organizations.

GENERAL - OTHER ORGANIZATIONS

CITIZENS FOR ENERGY ACTION
1523 L Street, N.W.
Washington, D.C. 20005

CITIZENS FOR ENERGY CONSERVATION AND SOLAR DEVELOPMENT (CECSD)
P.O. Box 49173
Los Angeles, California 90049

Formed "to inform people about conservation measures, and to promote solar energy as an economically feasible and environmentally acceptable fuel source." Pub.: Energy Action: News and Views.

CITIZENS UNITED FOR RESPONSIBLE ENERGY (CURE)
1342 30th Street
Des Moines, Iowa 50311
515-277-0253

Executive Director: Jane Magers

Goals are (1) the adoption of energy conservation laws and practices; (2) utilization of solar and other renewable fuels; (3) delay of licensing of nuclear power plants until the safety and economic issues are resolved; and (4) greater citizen participation in energy policy making. Pub.: CURE Currents, bimonthly. Who's Who in Solar and Wind Energy 1977: Iowa and the Midwest. Brochures.

COLORADO ENERGY RESEARCH INSTITUTE
1601 E. 19th Avenue
Denver, Colorado 80218
303-279-2881

COLORADO MINING ASSOCIATION
209 16th Street, Suite 402
Denver, Colorado 80202
303-222-0889

Secretary and Manager: David R. Cole

A trade association concerned with the entire spectrum of mining in Colorado. Committees include: Environmental Protection; Forest Service; Health and Safety; Legislative; Public Lands; Oil Shale; Rocky Mountain Coal; Public Relations and Publicity; and Uranium.

+ROCKY MOUNTAIN COAL ASSOCIATION
209 16th Street, Suite 402
Denver, Colorado 80202
303-222-0889

A division of the Colorado Mining Association concerned primarily with federal and state mine safety requirements.

COLORADO SCHOOL OF MINES
Golden, Colorado 80401

Department of publications issues a variety of materials (list available), including: Colorado School of Mines Quarterly. Nuclear Power: Issues and Outlook. Energy Analysis. Oil Shale: the University's Role. Colorado Energy Resources Handbook.

COLORADO SCHOOL OF MINES RESEARCH INSTITUTE
Golden, Colorado 80401
303-279-2581

Director: Herman Ponder
Director of Energy Division: Dean Kloepper

Established in 1949 as an independent corporation to serve the mining industry through contract research. Divisions: Energy; Environmental Technology; Process; Exploration and Mining. Projects include fossil fuel conversion studies, coal gasification techniques, energy supply-demand investigations, energy and net energy analyses, energy consumption studies, processes for conversion of waste to energy, solar energy analyses, wind energy modeling, and geothermal process analyses.

COMMITTEE FOR A PUBLIC ASSESSMENT OF ENERGY RESOURCES
1956 Calvert Street, N.W.
Washington, D.C. 20009
213-265-3842

COMMITTEE FOR ECONOMIC DEVELOPMENT (CED)
477 Madison Avenue
New York, New York 10022
212-688-2063

GENERAL - OTHER ORGANIZATIONS

President: Robert C. Holland
Chairman, Subcommittee on Energy Supply and Conservation: Franklin A. Lindsay

CED is a national organization of business executives which conducts research and produces reports, with recommendations, on current issues. Its Subcommittee on Energy Supply and Conservation issued a report in 1977, Key Elements of a National Energy Strategy. Other recent CED reports in the energy field include: Nuclear Energy and National Security (1976). International Economic Consequences of High-Priced Energy (1975). Achieving Energy Independence (1974).

COMMITTEE FOR SOCIAL RESPONSIBILITY IN ENGINEERING
475 Riverside Drive
New York, New York 10027
212-870-2170

Seeks to challenge the present orientation of engineering and to explore ways in which engineering skills can be useful to help cure social ills.

COMMON CAUSE
2030 M Street, N.W.
Washington, D.C. 20036
202-833-1200

"A national citizens lobby pressing for reordering of national priorities and revitalization of the public process to make our political and governmental institutions more responsive to the needs of the nation and its citizens." Concerns include lobbying at the national level for energy-related environmental legislation and funding for non-nuclear energy research and development programs. Pub.: Report from Washington, monthly.

THE CONFERENCE BOARD
845 Third Avenue
New York, New York 10022
212-959-0900

A nonprofit economic and business research organization. Maintains an Energy Center for studies of energy demand by industry and analyses of general issues of energy demand and supply. Major projects have included: (1) a study of long-term trends in U.S. manufacturing energy demand; (2) developing a method of estimating the economic impact on industry of federal water pollution control laws; (3) a study aimed at measuring the impact upon productivity in manufacturing of certain energy constraints. Pub.: Reports and papers (list available), including, for example: Energy Consumption in Manufacturing (1974). Urban Trends and the Energy Situation (1974). Energy Consumption in Mining (forthcoming). Energy and Pollution Effects on the Steel Industry (1977).

THE CONSERVATION FOUNDATION (CF)
1717 Massachusetts Avenue, N.W.
Washington, D.C. 20036
202-797-4300

President: William K. Reilly

A major policy research and public education organization focused on environmental and natural resource issues. Pub.: Conservation Foundation Letter, monthly. Energy Conservation Strategies (1977). Transportation Policies and Energy Conservation (1977). Onshore Planning for Offshore Oil: Lessons from Scotland. Hidden Waste.

CONSUMER ACTION NOW (CAN)
See: Council on Environmental Alternatives.

CONFERENCE OF STATE UTILITY COMMISSION ENGINEERS
See: National Conference of Regulatory Utility Commission Engineers.

COUNCIL OF PLANNING LIBRARIANS
P.O. Box 229
Monticello, Illinois 61856

Publishes an extensive series of Exchange Bibliographies, including a number on energy related matters. Examples: Energy Intensity. Survey Research on Energy.

GENERAL - OTHER ORGANIZATIONS

COUNCIL ON ECONOMIC PRIORITIES (CEP)
84 Fifth Avenue, Room 905
New York, New York 10011
212-691-8550

Director: Alice Tepper Marlin

Researches, compiles, and disseminates information on the extent to which corporations are exercising social responsibility. Projects have included studies of the pollution control records of oil and steel companies and electric utilities; western coal leasing; and efficiency of different kinds of generating plants. Pub.: CEP Newsletter, monthly. Cleaning Up and Cracking Down: Oil Refining and Pollution Control. Price of Power: The Electric Utilities and the Environment. Leased and Lost: A Study of Public and Indian Coal Leasing in the West. Petroleum Industry Overview.

COUNCIL ON ENVIRONMENTAL ALTERNATIVES
355 Lexington Avenue
New York, New York 10017
212-682-8915

Executive Director: Irmgard Hunt

Part of Consumer Action Now (CAN). Devoted to public education about alternative energy forms and energy conservation, with a major emphasis on solar power. Sponsors an energy retrofit program for tenements. Promotes teaching about solar energy in architectural curricula. Pub.: Brochures, reports, bibliographies, and directories.

CRITICAL MASS ENERGY PROJECT
P.O. Box 1538
Washington, D.C. 20013
202-546-4790

Director: Richard Pollock

A "citizens' movement for safe and efficient energy" that grew out of Ralph Nader's 1974 national Critical Mass Conference. Major interest in nuclear safety issues. Lobbies at the national level; disseminates information on energy issues to local groups. Pub.: Critical Mass Journal, monthly. Nuclear Energy Bibliography.

ELECTRIC POWER RESEARCH INSTITUTE (EPRI)
3412 Hillview Avenue
Palo Alto, California 94304
415-493-4800

President: Floyd L. Culler, Jr.
Director, Nuclear Power Division: Milton Levenson
Director, Fossil Fuel and Advanced Systems Division: Richard E. Balzhiser
Director, Energy Analysis and Environment Division: Rene Males
Director, Electrical Systems Division: John Dougherty
Director, Administration: David Saxe
Director, Communications Division: Robert A. Sandberg

EPRI was formed in 1972 for the purpose of expanding electric energy research and development under the voluntary sponsorship of the nation's utilities, public, private, and cooperative. Its goal is to develop a broad, coordinated, advanced technology program for improved electric power production, transmission, distribution, and utilization in an environmentally acceptable manner.

As of September 1977, there were 530 member organizations in the EPRI program. The formula for members' contributions is equivalent to 0.188 mills per kilowatthour of their sales to consumers. The total value of EPRI projects, including joint funding from other organizations, is $800 million; EPRI's share of this amount is $609 million. Total staff at institute headquarters will eventually be about 500. The technical staff is organized into four divisions:

-- Nuclear Power Division, responsible for research projects in the areas of nuclear safety and analysis, engineering and operations, and nuclear materials.

-- Fossil Fuel and Advanced Systems Division, which promotes the development of new technology for using fossil fuels -- particularly coal -- in environmentally acceptable ways. This division is also in charge of developments related to conversion and storage

GENERAL - OTHER ORGANIZATIONS

systems and new energy sources, including nuclear fusion, solar, geothermal, magneto-hydrodynamics, fuel cells, and other advanced systems.

-- Energy Analysis and Environment Division, concerned with energy supply and demand studies, environmental considerations, energy conservation, and system planning and simulation.

-- Electrical Systems Division, which handles projects including underground transmission, AC overhead and DC transmission system reliability, and development of better transmission systems.

Pub.: EPRI Journal, monthly, featuring articles of general interest and news of the Institute's programs and publications. Reports; catalog available.

ELECTRICITY AND GAS FOR THE PEOPLE
Address unknown since first edition.

ENERGY ACTION COMMITTEE
1523 L Street, N.W.
Washington, D.C. 20005
202-737-6220

Director and Counsel: James F. Flug

A citizens' lobby on energy issues, including oil company profits, natural gas deregulation, offshore oil and gas leasing, and petroleum company divestiture. Works to create energy action coalitions at the state and local levels. Pub.: Energy Action Alert, monthly. Divestiture Factbook. Natural Gas Factbook.

ENERGY RESEARCH CORPORATION
Energy Review, formerly published by Energy Research Corporation, is now issued by a commercial firm, Updata Publications, Inc., 1756 Westwood Boulevard, Los Angeles, California 90024.

ENGINEERS JOINT COUNCIL
345 E. 47th Street
New York, New York 10017
212-752-6800

Coordinates the activities of 18 member and 18 associate engineering societies with some 500,000 individual members. Maintains the National Engineers Commission on Resource Economy. Represents engineers on national and international issues. Pub.: Manpower Bulletin, quarterly.

ENVIRONMENTAL ACTION, INC.
1346 Connecticut Avenue, N.W., Room 731
Washington, D.C. 20036
202-833-1845

Coordinator: Peter Harnik
Legislative Representative: Pam Deuel

A citizens' environmental lobbying group with a major interest in energy and related issues, including electric utility regulation, solar power, and energy conservation. Pub.: Environmental Action, biweekly magazine.

ENVIRONMENTAL ACTION FOUNDATION (EAF)
724 Dupont Circle Building
Washington, D.C. 20036
202-659-9682

Director: Richard Munson

A citizens' educational organization related to Environmental Action, Inc. Acts as a source of information on nuclear energy, alternate sources of energy, and public utilities. EAF's Public Utilities Project conducts research into new kinds of publicly-owned systems. Pub.: Power Line, monthly newsletter. How to Challenge Your Local Public Utility: A Citizen's Guide to the Power Industry (1974). Taking Charge: A New Look at Public Power (1976). Nuclear Power: The Bargain We Can't Afford (1977). Countdown to a Nuclear Moratorium (1976).

ENVIRONMENTAL ACTION OF COLORADO
2239 E. Colfax
Denver, Colorado 80206
303-321-1645

Directors: Morey Wolfson and Ben Billings

An independent organization which acts as a central source of accurate, well-written information about the hazards of nuclear power and the feasibility of alternate energy sources. Issues a periodic catalog. Bookstore.

GENERAL - OTHER ORGANIZATIONS

ENVIRONMENTAL EDUCATION GROUP (EEG)
18014 Sherman Way, Room 169
Reseda, California 91335
213-342-4984

Publishes environmental and energy education materials. List available.

ENVIRONMENTAL LAW INSTITUTE (ELI)
1346 Connecticut Avenue, N.W.
Washington, D.C. 20036
202-452-9600

ELI's State and Local Energy Conservation Project has been completed; results of the study have been published in eight volumes by Ballinger Publishing Company, 17 Dunster Street, Cambridge, Massachusetts 02138. Titles are: Government Procurement and Operations; Tax Strategies-Alternative to Regulation; Utility Pricing and Planning-An Economic Analysis; Energy Efficiency in Industry-A Guide to Legal Barriers and Opportunities; Building to Save Energy-Legal and Regulatory Approaches; Saving Energy in Urban Transportation; Using Land to Save Energy; Energy Diet for the Food System.

A solar access project will be completed early in 1978. The first solar report, Legal Barriers to Solar Heating and Cooling of Buildings, is available from the National Technical Information Service.

FEDERAL POWER BAR ASSOCIATION
1900 Pennsylvania Avenue, N.W.
Washington, D.C. 20068
202-872-2900

Organization of attorneys who practice before the Federal Energy Regulatory Commission (formerly, Federal Power Commission). Maintains technical committees on various aspects of the law relating to interstate transport and sale of natural gas and electricity; pipelines; and licensing of hydroelectric plants.

FEDERATION OF AMERICAN SCIENTISTS (FAS)
307 Massachusetts Avenue, N.E.
Washington, D.C. 20002

Public interest lobbying group of scientists with a major interest in energy policy, particularly nuclear power hazards. Pub.: Public Interest Report, 10 times a year.

THE FORD FOUNDATION
Office of Resources and the Environment
320 E. 43rd Street
New York, New York 10017
212-573-5000

Results of the Foundation's Energy Policy Project have been published by Ballinger Publishing Company, 17 Dunster Street, Cambridge, Massachusetts 02138. Titles are: A Time to Choose: America's Energy Future (1974). Perspective on Power: A Study of the Regulation and Pricing of Electric Power (1974). Oil Spills and the Marine Environment (1974). Energy Taxes and Subsidies (1974). Studies in Energy Tax Policy (1974). Studies in Electric Utility Regulation (1974). Competition in the U.S. Energy Industry (1974). Energy Prices 1960-73 (1974). Energy Policy - Industry Perspectives (1974). Potential Fuel Effectiveness in Industry (1974). Financing the Energy Industry (1974). U.S. Energy Research and Development Policy (1974). Energy and Agriculture in the Third World (1975). Energy Consumption in Manufacturing (1974). Rehabilitation Potential of Western Coal Lands (1973). The American Energy Consumer (1975). New Energy Technologies for Buildings: Institutional Problems and Solutions (1975). The Energy Conservation Papers (1974). Nuclear Theft: Risks and Safeguards (1973). Energy and U.S. Foreign Policy (1974). A catalog is available from Ballinger.

Although the Energy Policy Project has been concluded, the Foundation "will continue to aid in the search for coherent national energy policies through support of studies on such subjects as the economics of energy conservation, state and regional energy planning, and fuel pricing policies." Ford also expects to support projects on the environmental and social consequences of using coal, and those in which university researchers work closely with state agencies on energy problems, as well as studies of energy-environment conflicts. Ford gives substantial funding to Resources for the Future (which see). Pub.: Ford Foundation Letter, bimonthly.

FOUNDATION FOR ALTERNATIVE ENERGY
Address unknown since first edition.

GENERAL - OTHER ORGANIZATIONS

THE FRANKLIN INSTITUTE RESEARCH LABORATORIES (FIRL)
20th and Benjamin Franklin Parkway
Philadelphia, Pennsylvania 19103
215-448-1138

President: W.B. Ligett
Manager, Energy Laboratory: H.G. Lorsch

A major research organization that performs studies under contract with federal, state, and local government agencies; industry; trade associations; and others. Many of its energy-related programs are technical in nature. However, Franklin has also done energy policy and technology assessment work, such as a study of urban energy supply and demand; a projection of the future price of electricity; a study of integrated energy systems for urban areas; research on national benefits of retrofitting power plants for solar-assisted feedwater heating; an evaluation of the impact of solar energy on electric utilities; a projection of future U.S. energy needs, supplies, and prices; and other studies in related fields.

Franklin has also conducted citizens' workshops on the U.S. energy situation, and specialized or regional workshops on such topics as electric power generation, "Energy and the Delaware Valley," energy management for industry, and solar energy. It maintains a solar data bank for the federal government (see Chapter 6, Alternate Sources, under U.S. Department of Energy). Pub.: FIRL Report. Technical studies.

FRIENDS COMMITTEE ON NATIONAL LEGISLATION (FCNL)
245 Second Street, N.E.
Washington, D.C. 20002
202-547-4343

Executive Secretary: Edward F. Snyder

A political action organization related to the Religious Society of Friends (Quakers). Concerns include federal energy policies, especially as they relate to energy conservation and alternative sources. Energy "is related to fundamental Friends' concerns for the right sharing of the world's resources, national priorities and the waste of war, and simplicity in styles and standards of living." There are affiliated Friends' committees on state legislation in some states. Pub.: Washington Newsletter, monthly.

GEOLOGICAL SOCIETY OF AMERICA
3300 Penrose Place
Boulder, Colorado 80301
303-447-2020

Executive Director: John C. Frye

Professional organization of geologists; seeks to promote the science of geology through scholarly publications, conferences, and funding of research. Pub.: The basic periodical is Geological Society of America Bulletin, monthly. Other periodicals are Geology, monthly, and Bibliography and Index of Geology, monthly. Various series of monographs are issued, as well as maps, charts, and reprints. Catalog.

GREAT LAKES CONFERENCE OF PUBLIC UTILITIES COMMISSIONERS
c/o Walter A. Coleman, Conference Manager
3520 Ellwood Avenue
Richmond, Virginia 23221

Organization of members of state public utility regulatory commissions in Delaware, District of Columbia, Illinois, Indiana, Maryland, Minnesota, New Jersey, New York, Ohio, Pennsylvania, Virginia, Virgin Islands, West Virginia, and Wisconsin.

HUDSON INSTITUTE
Quaker Ridge Road
Croton-on-Hudson, New York 10520
914-762-0700

President: Rudy L. Ruggles, Jr.
Director of Technology Studies: William M. Brown

A nonprofit policy research center which carries out policy research for governmental agencies and private corporations. Recent work in energy has included studies of rail vs. slurry pipeline transport of coal; proposals for the Carter Administration's energy policy; unconventional sources of natural gas; the relationship between energy policy and inflation; and international factors associated with the

GENERAL - OTHER ORGANIZATIONS

establishment of a coal liquids industry. Pub.: Reports; list available.

HYDRONICS INSTITUTE
35 Russo Place
Berkeley Heights, New Jersey 07922
201-464-8200

Trade organization of manufacturers of hot water and steam heating and cooling equipment.

INDIANAPOLIS CENTER FOR ADVANCED RESEARCH
1219 W. Michigan Street
Indianapolis, Indiana 46202
317-264-4507

Conducts technical energy studies and demonstration projects, focusing on Indianapolis and the state of Indiana.

INHALATION TOXICOLOGY RESEARCH INSTITUTE (ITRI)
Lovelace Biomedical and Environmental Research Institute
P.O. Box 5890
Albuquerque, New Mexico 87115
505-264-6835

President and Director: Roger O. McClellan

Established in 1960, the Institute carries out problem-oriented technical research on nuclear toxicology, fossil energy toxicology, solar energy and conservation technology toxicology, and aerosolized consumer product toxicology. Some 50 major research projects are under way under the sponsorship of the U.S. Department of Energy. Pub.: The main means of disseminating research results is through the open scientific literature. A detailed annual report is issued.

INSTITUTE FOR CONTEMPORARY STUDIES
260 California Street, Suite 811
San Francisco, California 94111

A "non-partisan research and educational foundation. It serves as a network for public policy research gathered for a non-professional audience." Publishes books, including Options for U.S. Energy Policy; and No Time to Confuse - A Critique of the Ford Foundation Energy Policy Project.

INSTITUTE FOR LOCAL SELF-RELIANCE
1717 18th Street, N.W.
Washington, D.C. 20009
202-232-4108

"Established to investigate the technical feasibility of community self-reliance in high-density living areas and to examine the implications" of such projects. It is committed to exploring the potential of "humanly-scaled cooperative communities." One of the Institute's programs is "Urban Energy Resources," which emphasizes decentralizing technologies such as solar collection, end-use energy conservation, and increasing the supply of renewable energy sources.

Pub.: Kilowatt Counter: A Consumer's Guide to Energy Concepts, Quantities, and Uses. The Dawning of Solar Cells. The Role of Solar Energy in the Federal Energy Program. Energy for Survival (published by Wilson Clark). Energy Primer (Portola Institute). Catalog available.

INSTITUTE FOR POLICY STUDIES
1901 Q Street, N.W.
Washington, D.C. 20009
202-234-9382

Works to make "the American governing process and its institutions more responsive to public needs." Concerns have included international implications of the domestic energy situation; and encouraging local initiatives on energy policy." Pub.: The Elements, monthly.

INSTITUTE OF ENVIRONMENTAL SCIENCES
950 East Nothwest Highway
Mount Prospect, Illinois 60056
312-255-1561

Executive Director: Betty L. Peterson
Technical Vice President: Robert Geminder

"A professional society of engineers, scientists and educators dedicated to the researching, simulating, testing and teaching of the environments of earth and space." Special Publications series includes Energy Crisis and Energy from the Sun (1974). Also issues a wall chart, "Solar Energy and its Uses."

GENERAL - OTHER ORGANIZATIONS

INTERNATIONAL DISTRICT HEATING ASSOCIATION (IDHA)
5940 Baum Square
Pittsburgh, Pennsylvania 15206
412-362-1311

Secretary-Treasurer: Roberta S. Hauser
Chairman, Public Affairs Committee: Richard Klink

District heating is a process of serving heating and air conditioning needs from a central station. IDHA promotes district heating as an energy-saving method of producing heating and air conditioning services. Pub.: District Heating, quarterly magazine. Proceedings, annual. Principles of Economical Heating, a manual (7th edition, 1973).

INTERNATIONAL INSTITUTE FOR ENVIRONMENT AND DEVELOPMENT (IIED)
1302 Eighteenth Street, N.W.
Washington, D.C. 20036
202-462-0900

President: Barbara Ward (Lady Jackson)
Director, North American Office: Robert E. Stein
Program Officer, Energy (Washington): R. Thomas Hoffmann

IIED is a research and educational organization, established in 1971, concerned with the global implications of environment, development, and resource use. It has offices in Washington and London. Energy-related projects:

-- Energy Research Project (London). A study to assess the potential which the "vigorous promotion of energy conservation and renewable resources offers towards alleviating longer term energy problems." Focus is on Europe, including the U.K.

-- Assessment of Environmental Policies of International Lending Institutions (Washington and London). Lending sectors studied include energy.

-- The Conserving Society (London). Looks at the "enormous wastage of people and of all our basic resources within industrial societies and [suggests] how our economies can move to more conserving, more sustainable and less pollutive bases." Will result in a book in 1978.

-- International Energy Institutions (London and Washington). A "critical examination of the environmental implications of the existing framework for energy promotion and control." Nuclear and alternate sources are emphasized.

Pub.: Energy and Food Production (1975). Energy Policy for the Rural Third World (1976). Whose Power to Choose (1977, regarding nuclear proliferation). Large Dams and the Environment (1977).

INTERNATIONAL UNION OF UNITED AUTOMOBILE, AEROSPACE AND AGRICULTURAL IMPLEMENT WORKERS OF AMERICA (United Auto Workers) (UAW)
8000 E. Jefferson
Detroit, Michigan 48214
313-926-5000

A labor union with some 1.5 million members, the UAW has been actively concerned with environmental, consumer, and conservation issues related to energy. Interests include promoting alternate sources of energy such as solar and wind power. Pub.: Solidarity, monthly. National Energy Program.

INVESTOR RESPONSIBILITY RESEARCH CENTER (IRRC)
1522 K Street, N.W.
Washington, D.C. 20005
202-833-3727

Conducts research and publishes reports on the performance of business corporations as they relate to social, environmental, and other public policy issues. Findings are used by institutional investors. Studies have included: The Nuclear Power Alternative. Energy Conservation.

IOWA STATE UNIVERSITY
Center for Agricultural and Rural Development
Ames, Iowa 50010

Studies have included projects on energy as it relates to agriculture and rural life. Pub.: U.S. Agricultural Production under Limited

GENERAL - OTHER ORGANIZATIONS

Energy Supplies, High Energy Prices, and Expanding Agricultural Exports. Energy Requirements of Irrigated Crops in the Western United States. An Analysis of the National Coal Economy and a Marginal Producing Region, 1976-1990.

IOWA STUDENT PUBLIC INTEREST GROUP
500 E. Sixth Street
Des Moines, Iowa 50309

Publications include Iowa Energy Sources (1975).

JOHNS HOPKINS UNIVERSITY
Applied Physics Laboratory (APL)
Laurel, Maryland 20810
301-953-7100

Conducts a wide range of studies of a technical nature on alternate energy sources, energy conservation, and environmental impacts of energy development. Pub.: APL Technical Digest, quarterly.

LEAGUE OF WOMEN VOTERS EDUCATION FUND (LWVEF)
1730 M Street, N.W.
Washington, D.C. 20036
202-296-1770

Chairman, Board of Trustees: Ruth C. Clusen
Coordinator, Energy Department: Isabelle P. Weber

The work of the League of Women Voters in the energy field, "a natural outgrowth of our longtime environmental interests, started in the early 1970s." The establishment of an LWV Energy Task Force (ETF) by the 1974 LWV national convention was, however, the first formal recognition that energy issues cut across every League program area and involve all levels of the League - local, regional, state, and national.

The ETF, during its two years of existence, "concentrated on developing, through publications and conferences, citizen understanding of the complexities of the energy problem and the urgent need to conserve energy. At the League's 1976 national convention, delegates authorized a national study to "evaluate sources of energy and the government's role in meeting future needs...

"The League already has an established position in support of energy conservation...We are now in the process of studying supply problems...Some of the issues we are addressing include what our national energy growth rate can and should be; what resource mix this country should work toward by 1985 and the year 2000; what government can do to see that conservation and production goals are met; the division of responsibility between federal and state government...; and how regional interests should be balanced against each other and against the national interest."

During 1977-78, the LWVEF is conducting two major citizen energy education projects: the Energy Conservation Technology Education Program, funded by the U.S. Department of Energy, which includes four pilot projects selected to demonstrate to the public how to use energy more efficiently; and the Energy Education Outreach Program, funded by contributions from utilities and the major oil companies, and a grant from the U.S. Department of Energy.

Pub.: Energy Dilemmas (1977, 44 pages). Energy Options (1977, 44 pages). Reduce: Targets, Means and Impacts of Source Reduction (1975, concerning solid waste). Energy Factsheets (1-22) (1974-77). Energy and Our Coasts: The 1976 Coastal Zone Management Amendments (1977). Coastal Zone Management Program (1975). Onshore Impact of Offshore Oil (1976). Citizens and Energy: The National Issues (1975).

Also: Periodical publications such as Community Guide; Current Focus; and Committee Guide, all of which have had issues on energy problems.

LOVELACE BIOMEDICAL AND ENVIRONMENTAL RESEARCH INSTITUTE
See: Inhalation Toxicology Research Institute

GENERAL - OTHER ORGANIZATIONS

MARINE TECHNOLOGY SOCIETY (MTS)
1730 M Street, N.W.
Washington, D.C. 20036
202-659-3251

Executive Director: George Keith Gowans

The "leading marine-oriented interdisciplinary organization," MTS is concerned with the application of science and technology to the exploration and utilization of the oceans. Members include scientists, engineers, educators, attorneys, economists, and interested citizens. Problems related to energy, including offshore oil development, ocean transport of oil and gas, and coastal impacts of energy projects, have been a major interest.

Some 20 professional committees include: Coastal Zone Management; Marine Law and Policy; Marine Mineral Resources; Ocean Economic Potential. There are regional sections in many parts of the country. Pub.: Marine Technology Society Journal, bimonthly. Newsletter, bimonthly. Reports (catalog available).

MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT)

+Energy Laboratory
Massachusetts Institute of Technology
Cambridge, Massachusetts 02139
617-253-3400

Director: David C. White

Interdisciplinary research and training on a broad range of energy problems, including policy studies and assessments of alternate energy strategies. The annual budget is over $7 million, and some 60 Laboratory staff, 70 faculty, and 150 students are involved. Pub.: Reports and working papers (list available). Annual report of activities.

+Workshop on Alternative Energy Strategies
Massachusetts Institute of Technology
1 Amherst Street
Cambridge, Massachusetts 02139
617-253-3418

Project Director: Caroll Wilson

This group is developing a new method of assessing energy supply and demand choices for 1985 and 2000. Focus is global.

MASSACHUSETTS PUBLIC INTEREST RESEARCH GROUP
120 Boylston Street, Room 320
Boston, Massachusetts 02116

An activist student organization related to the Ralph Nader consumer advocacy network. Concerns have included nuclear power safety, energy conservation, and other energy issues. Pub.: Reports.

MICHIGAN ENERGY AND RESOURCE RESEARCH ASSOCIATION (MERRA)
328 Executive Plaza
1200 Sixth Street
Detroit, Michigan 48226
313-964-5030

President: John E. Mogk
Research Director: Todd Anuskiewicz

"A research, development and demonstration partnership of state government, universities and industry of Michigan," MERRA's projects have included in-situ oil shale retorting, electric energy savings in industry, development of a new kind of wood utility pole, and solar energy. Pub.: Annual report.

MICHIGAN STATE UNIVERSITY
Institute of Public Utilities
6-H Berkey Hall
East Lansing, Michigan 48823
517-355-1876

Director: Harry M. Trebing

Sponsors annual conferences, maintains a publications program, and supports research in the field of public utilities through doctoral fellowships and faculty grants awarded on a nationwide basis. Pub.: Reports (catalog available).

GENERAL - OTHER ORGANIZATIONS

MIDWEST ASSOCIATION OF RAILROAD AND UTILITIES COMMISSIONERS
c/o Missouri Public Service Commission
P.O. Box 360
Jefferson City, Missouri 65101
314-751-3234

Organization of public utility and railroad commission members in Arkansas, Iowa, Illinois, Kansas, Minnesota, Missouri, Nebraska, North Dakota, Oklahoma, South Dakota, and Wisconsin.

MIDWEST RESEARCH INSTITUTE (MRI)
425 Volker Boulevard
Kansas City, Missouri 64110
816-561-0202

Operates the Solar Energy Research Institute (SERI) at Boulder, Colorado, under contract with the U.S. Department of Energy. Also conducts energy-related studies at its Kansas City headquarters, including research on conversion of solid waste into energy, consumption of electric power, and hydrogen.

MINE INSPECTORS INSTITUTE OF AMERICA
1900 Grant Building
Pittsburgh, Pennsylvania 15219
412-281-2620

Professional organization of government and industry mining safety officials.

MINERALOGICAL SOCIETY OF AMERICA
1909 K Street, N.W.
Washington, D.C. 20006
202-331-0386

Executive Director: Athelstan F. Spilhaus, Jr.

Professional organization concerned with mineralogy, petrology, and geochemistry. Pub.: The American Mineralogist, bimonthly.

MINING AND METALLURGY SOCIETY OF AMERICA
230 Park Avenue
New York, New York 10017
212-687-2752

President: Kenneth J. Kutz

A small professional organization. Pub.: Bulletin of the Mining and Metallurgical Society, irregular.

MINNESOTA PUBLIC INTEREST RESEARCH GROUP (MPIRG)
3036 University Avenue, S.E.
Minneapolis, Minnesota 55414

An activist student organization related to the Ralph Nader consumer advocacy network. Concerns have included energy issues. Pub.: MPIRG Impact, irregular newsletter. Nuclear Power in Minnesota. Reserve Mining: Irresponsible Corporate Power. Utilities vs. Private Landowners.

MISSISSIPPI STATE UNIVERSITY
Energy Research Center
P.O. Box Drawer DE
Mississippi State, Mississippi 39762
601-325-2266

Director: W.L. McDaniel

Projects have included energy modeling for the state of Mississippi, solar collector design, and magnetohydrodynamics research. Part of the College of Engineering.

MITRE CORPORATION
1820 Dolly Madison Boulevard
McLean, Virginia 22101
703-790-6000

Major research organization that carries out studies under contract with public agencies and private firms. Energy-related projects have been mainly technical in nature, for example, a study of obstacles to increased coal production and a study of the energy conservation potential in the transportation sector. Pub.: MITRE Matrix, bimonthly. Reports.

NATIONAL ASSOCIATION OF ATTORNEYS GENERAL (NAAG)
P.O. Box 11910
Lexington, Kentucky 40511
606-252-2291

President: Theodore L. Sendak
President-Elect: William F. Hyland
Vice President: Chauncey H. Browning, Jr.

GENERAL - OTHER ORGANIZATIONS

Organization of state attorneys general (chief law officers). Maintains a Committee on Energy. NAAG's Committee on the Office of Attorney General (3901 Barrett Avenue, Raleigh, North Carolina 27609) publishes an Environmental Control Newsletter, which deals with energy-related legal issues, and issues research reports.

NATIONAL ASSOCIATION OF COUNTIES (NACo)
1735 New York Avenue, N.W.
Washington, D.C. 20006
202-785-9755

Executive Director: Bernard Hillenbrand
Director, Energy Projects: Sue Guenther

Represents the interests of county governments at the national level; promotes exchange of information on county government problems; conducts related research. Energy has been an important interest. Pub.: County News, weekly. Energy Newsletter, monthly. NACo Case Studies on Energy Impacts (4 studies, 1976). A Guide to Reducing...: Energy Use; Budget Costs (with the National League of Cities and the U.S. Conference of Mayors, for the U.S. Department of Energy). Studies on experiences of individual counties with energy problems are available from NACo's library.

NATIONAL ASSOCIATION OF MANUFACTURERS (NAM)
1776 F Street, N.W.
Washington, D.C. 20006
202-331-3700

The principal organization representing the interests of manufacturers in the U.S. Some 12,000 firms are members. Among its activities, NAM lobbies at the federal level on energy-related legislation and supports national fuel allocation policies favorable to manufacturers. Sponsors the Industrial Energy Users Council jointly with the Chamber of Commerce of the U.S. Pub.: NAM Reports, weekly. Energy Management. Survey of Industrial Energy. Energy Conservation Means.

NATIONAL ASSOCIATION OF REGULATORY UTILITY COMMISSIONERS (NARUC)
P.O. Box 684
Washington, D.C. 20044
202-628-7324

Administrative Director: Paul Rodgers

NARUC is a quasi-governmental organization founded in 1889. Within its membership are the governmental bodies of the 50 states, the District of Columbia, Puerto Rico, and the Virgin Islands of the U.S., engaged in the regulation of carriers and utilities. Its broad goal is to improve the quality and effectiveness of public utility regulation in the U.S.

Committees of NARUC concerned with energy-related matters include: Accounts; Electric and Nuclear Energy; Engineering; Gas; Congressional Legislation; Energy Research and Development; United States-Canada Energy Supply; Utility Billing Practices; and Public Utility Concept. NARUC also maintains an Institute for Regulatory Research.

Pub.: NARUC Blue Bulletin Service, weekly, which reports on federal and state legislation and state commission actions. Proceedings of the annual convention. Technical reports.

NATIONAL CONFERENCE OF REGULATORY UTILITY COMMISSION ENGINEERS
527 E. Capitol Avenue
Springfield, Illinois 62706
217-782-7851

Professional organization. Pub.: Proceedings of an annual meeting.

NATIONAL CONGRESS OF AMERICAN INDIANS
1430 K Street, N.W., Suite 700
Washington, D.C. 20005
202-347-9520

President: Veronica Murdock

Concerns include protecting, conserving, and developing Indian lands and their mineral resources. Pub.: Bulletin, monthly.

GENERAL - OTHER ORGANIZATIONS

NATIONAL COUNCIL FOR ENVIRONMENTAL BALANCE, INC. (NCEB)
P.O. Box 7732
Louisville, Kentucky 40207
502-896-8731

President: I.W. Tucker

"An organization of sincere academic scientists and engineers dedicated to a balanced approach to solving environmental problems without destroying the economy and people's right to a responsible life with dignity...We are concerned that in the campaign strategy of the environmental movement, exaggeration is a standard weapon and is used continuously on broad fronts. We are concerned that reliable and factual scientific information goes begging while environmental fiction gets headlines and political attention." Energy-related environmental issues have been a major interest. Policy research; public information. Pub.: Brochures, information sheets, etc. (list available).

NATIONAL COUNCIL OF CHURCHES OF CHRIST IN THE U.S.A. (NCC)
475 Riverside Drive
New York, New York 10027
212-870-2200

NCC's Division of Church and Society has been concerned with the ethical dimensions of U.S. and global energy problems. Pub.: Reports.

NATIONAL EDUCATION ASSOCIATION (NEA)
Order Department
Saw Mill Road
West Haven, Connecticut 06516

NEA is the national teachers' association. It has issued a number of energy-related publications, including: Energy Choices for Now: Saving, Using, Renewing.

NATIONAL LEAGUE OF CITIES and the U.S. CONFERENCE OF MAYORS
1620 I Street, N.W.
Washington, D.C. 20006
202-293-7300

Executive Director: John Gunther

General purpose is to represent the needs of the nation's cities to the federal government in Congress, the Executive Branch, and the courts. Energy has been an important interest. Projects have included A Guide to Reducing... Energy Use; Budget Costs, published by the U.S. Department of Energy. Other publications include Nation's Cities, monthly.

NATIONAL RECREATION AND PARK ASSOCIATION (NRPA)
1601 N. Kent Street
Arlington, Virginia 22209
703-525-0606

Professional organization of persons concerned with administration of national, state, and local parks, and recreational activities. NRPA's Park Project on Energy Interpretation has issued a 24-page Energy Activity Guide. The principal periodical is the monthly Parks and Recreation Magazine.

NATIONAL SCIENCE TEACHERS ASSOCIATION (NSTA)
1742 Connecticut Avenue, N.W.
Washington, D.C. 20009
202-265-4150

Executive Director: Robert L. Silber

NSTA has published classroom materials and teacher guides on energy and related subjects under contract with HEW and the U.S. Department of Energy. These include: Energy-Environment Source Book (279 pages, 1975); Energy-Environment Materials Guide (1975); a series of six Interdisciplinary Student/Teacher Materials in Energy, the Environment, and the Economy (1977); and a series of "Fact Sheets." The Association also issues Energy and Education, a bimonthly newsletter.

NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS (NSPE)
2029 K Street, N.W.
Washington, D.C. 20006
202-331-7020

Concerned with the professional, rather than the technical, aspects of engineering, NSPE is represented on various committees of other societies concerned with energy problems, is involved in national legislative matters, and

GENERAL - OTHER ORGANIZATIONS

refers matters requiring engineering expertise to knowledgeable members. Its publications regularly feature articles on energy topics. Pub.: Professional Engineer, monthly. Legislative Bulletin, monthly. Professional Engineers in Industry, monthly. A list of other publications is available.

NATIONAL TRAINING AND INFORMATION CENTER (NTIC)
1123 W. Washington Boulevard
Chicago, Illinois 60607
312-751-1601

Directors: Shel Trapp and Gale Cincotta

"Established in 1972 with the belief that grass-roots, neighborhood people must have a strong voice in those decisions which affect their neighborhoods... NTIC has trained several hundred organizers throughout the country." Publications include Drawing the Line on Energy... Or Playing the Same Game? (1977). Disclosure is a monthly newspaper.

NATIVE AMERICAN RIGHTS FUND (NARF)
1506 Broadway
Denver, Colorado 80302
303-447-8760

Executive Director: John E. Echohawk

Upon request, NARF attorneys represent Indian tribes and groups with legal problems related to the protection and development of natural resources on their lands, including coal and water. A major concern has been the development of tribal self-government. Pub.: Announcements, quarterly.

NEW ENGLAND CONFERENCE OF PUBLIC UTILITIES COMMISSIONERS
c/o Maine Public Utilities Commission
State House
Augusta, Maine 04333

OCEANIC SOCIETY
240 Fort Mason
San Francisco, California 94123
415-441-5970

Citizens' organization concerned with a broad range of issues related to the world's oceans, including nuclear energy, transportation of oil and gas by sea, and tidal and wind power. Pub.: Oceans, bimonthly.

OHIO ENERGY COALITION
3012 Lincoln Boulevard
Cleveland Heights, Ohio 44118
216-361-8088

Concerned with the state role in dealing with energy problems.

OHIO STATE UNIVERSITY
ERIC Clearinghouse for Science, Mathematics and Environmental Education (ERIC/SMEAC)
1200 Chambers Road
Columbus, Ohio 43212

Part of the network of Educational Resources Information Centers sponsored by the U.S. Department of Health, Education, and Welfare, SMEAC collects, reviews, analyzes, and abstracts materials related to its areas of concern, including publications on energy suitable for use in educational programs. Issues fact sheets and reports, including Energy Activities for the Classroom.

OIL, CHEMICAL, AND ATOMIC WORKERS INTERNATIONAL UNION (OCAW)
P.O. Box 2812
Denver, Colorado 80201
303-893-0811

President: A.F. Grospiron

The major labor union for the oil and nuclear industries, with some 200,000 members. Pub.: Union News, monthly.

THE OZARK INSTITUTE
P.O. Box 549
Eureka Springs, Arkansas 72632

Concerned with the regional development of the Ozark Mountains of Arkansas and Missouri. Interests have included decentralized energy systems, energy conservation, and energy-efficient building design. Pub.: Ozark, monthly.

GENERAL - OTHER ORGANIZATIONS

PEOPLE FOR RATIONAL ENERGY SOURCES
3 S. Cook Street
Denver, Colorado 80209

Lobbies at the state level in Colorado against nuclear power and to promote alternate sources of energy.

PEOPLE'S ACTION FOR CLEAN ENERGY
P.O. Box 563
Middletown, Connecticut 06457

Promotes alternate, nonnuclear energy sources, focusing primarily on Connecticut. Pub.: PACE Newsletter, 3 times a year.

PRINCETON UNIVERSITY

+Center for Environmental Studies
Princeton University
Princeton, New Jersey 08540

Is carrying out a study of the feasibility of decentralized organization of solar energy under a $285,000 Ford Foundation grant.

+School of Engineering and Applied Sciences
Princeton University
P.O. Box 430
Princeton, New Jersey 08540

Research projects related to energy have included energy conservation experiments, development of a low-cost wind power system, and an assessment of the potential environmental impact of fusion power.

PUBLIC AFFAIRS CLEARINGHOUSE
P.O. Box 10
Claremont, California 91711
714-624-5212

A program of the Center for California Public Affairs. Compiles and publishes reference books on national and international problems, including Energy: A Guide to Organizations and Information Resources in the United States.

PUBLIC BROADCASTING SERVICE (PBS)
475 L'Enfant Plaza, S.W.
Washington, D.C. 20024
202-488-5000

Rents and sells public television programs on videocassettes to nonprofit organizations. Energy-related titles include: "The Energy Crisis: The End of the Beginning." "Fusion: The Energy of Promise." "The Do-It-Yourself Guide to Solar Living." Catalog available.

PUBLIC CITIZEN
P.O. Box 19404
Washington, D.C. 20036
202-293-9142

Formed by Ralph Nader to support the work of his network of consumer advocate groups. The "Public Citizen Platform" includes planks on energy conservation, decentralization of energy, a nuclear moratorium, electric utility rate reform, and continued regulation of oil and natural gas prices.

PUBLIC INTEREST RESEARCH GROUP (PIRG)
P.O. Box 19312
Washington, D.C. 20036
202-833-9700

Director: Martin Rogol
Consumer Advocate: Ralph Nader

Public policy research arm of the Ralph Nader organization. Energy, particularly nuclear power safety and alternate sources, has been a major interest. Pub.: A Citizen's Handbook on Solar Energy. Alternative Energy Scenarios. Legislation Promoting Solar Power. Information Sources on Energy Conservation, Geothermal Power, Resource Recovery. Information Sources on Solar Energy. List of publications available.

PUBLIC RESOURCE CENTER
1747 Connecticut Avenue, N.W.
Washington, D.C. 20009
202-234-6485

Publishes The Elements: A Journal of World Resources, 9 times a year, covering such topics as alternate energy sources, stripmining, health aspects of coal mining, and nuclear power.

GENERAL - OTHER ORGANIZATIONS

PURDUE UNIVERSITY
Energy Engineering Center
West Lafayette, Indiana 47907
317-494-6151

Director: Philip N. Powers

Part of the Institute for Interdisciplinary Engineering Studies. Encourages energy research and educational activities at Purdue on a campus-wide basis. Coal, solar power, and energy conservation are receiving special attention. Pub.: Letter from the Director, monthly. Reports.

THE RAND CORPORATION
1700 Main Street
Santa Monica, California 90406
213-393-0411

President: Don B. Rice
Program Director, Energy Policy:
Fred S. Hoffman

Rand's energy program carries on interdisciplinary projects oriented toward analysis of energy policy issues. A major study of California's energy needs, California's Electricity Quandary, was issued in 1972. A program of broad, long-range energy policy studies is being carried out under contract with the U.S. Department of Energy; this includes analysis of alternative research and development strategies and international issues related to the nuclear fuel cycle. Pub.: A list of reports in the energy field (SB-1052) is available from the Publications Department.

RESEARCH TRIANGLE INSTITUTE (RTI)
P.O. Box 12194
Research Triangle Park, North Carolina 27709
919-549-8311

President: George R. Herbert
Vice President, Energy, Engineering and Environmental Sciences: James J.B. Worth

RTI performs research under contract with federal and state government, corporations, industrial associations, and other clients. Energy-related research has included studies on coal combustion, solar power, offshore oil production, energy policy, and other areas. Pub.: Reports.

RESOURCES FOR THE FUTURE (RFF)
1755 Massachusetts Avenue, N.W.
Washington, D.C. 20036
202-462-4400

President: Charles J. Hitch

Conducts and supports research programs in conservation and use of natural resources and environmental quality, with a heavy emphasis on the social sciences. Recent studies have included "How Industrial Societies Use Energy," and "Trends on the Soviet Oil and Gas Industry." Pub.: Resources, a newsletter, 3 times a year. RFF Books. RFF Reprints. List available.

RHODE ISLAND COMMITTEE ON ENERGY
Box A, Post Road
Charlestown, Rhode Island 02813
401-364-0719

Coalition of 8 groups concerned with environmental and consumer aspects of energy issues. Pub.: Newsletter, quarterly.

THE ROCKEFELLER FOUNDATION (RF)
1133 Avenue of the Americas
New York, New York 10036
212-869-8500

President: John H. Knowles
Director, International Relations Division:
Mason Willrich

RF's Program in International Relations has world energy as one of its three main problem areas. Grants are made for fellowships and research projects. Pub.: RF Illustrated, 3 times a year. Annual report.

ROCKY MOUNTAIN MINERAL LAW FOUNDATION
Fleming Law Building
University of Colorado
Boulder, Colorado 80219
303-443-2211, ext. 6545

President: Robert G. Pruitt, Jr.
Executive Director: David P. Phillips

Holds an annual institute for the presentation of papers on public land law, oil and gas, mining, water, and natural resources and environmental

GENERAL - OTHER ORGANIZATIONS

law. In addition, special institutes are held on highly specialized areas of natural resources law; these have included such topics as western coal development, federal mineral leasing, offshore exploration, mineral taxation, and resource development on Indian lands.

Pub.: The proceedings of the annual institutes are published by Matthew Bender & Company, 235 E. 45th Street, New York, New York 10017. Other publications include: Law of Federal Oil and Gas Leases, a looseleaf service available from the Bender Company. American Law of Mining, looseleaf, from Bender. Gower Federal Services: Oil and Gas; Outer Continental Shelf; Mining; and Miscellaneous Land Decisions Service (five separate services consisting of basic volumes and looseleaf update material providing compilations of laws and regulations and reports of court decisions). Digest of Mining Claim Laws. Natural Resources Law on American Indian Lands. Rocky Mountain Mineral Law Newsletter, 9 times a year.

SCIENTISTS' INSTITUTE FOR PUBLIC INFORMATION (SIPI)
335 Lexington Avenue
New York, New York 10017
202-661-9110

President: Alan McGowan

Enlists scientists in a variety of public information programs focusing on the interface between science and public policy. Maintains a Task Force on Energy Options. Coordinates work of local scientists' committees in various parts of the country. Pub.: SIPIscope, newsletter. Alternative Sources of Energy. Synthetic Fuels and Cancer. Energy Conservation, Employment and the Economy. The Potential for Solar and Wind Electric Power Generation. Information kits.

SMITHSONIAN SCIENCE INFORMATION EXCHANGE, INC. (SSIE)
1730 M Street, N.W., Room 300
Washington, D.C. 20036
202-381-4211

Maintains a central data base of information about research in progress in various fields of science. Indexes, stores, and disseminates information as predesigned packages or to order. Information packages are available on numerous energy topics, e.g., "Offshore Oil and Gas;" "Solar Energy Collectors." Pub.: SSIE Science Newsletter. Catalog.

SOCIETY OF ECONOMIC GEOLOGISTS
P.O. Box 1549
Knoxville, Tennessee 37901

Professional organization concerned with geology as it applies to mining and other industries. Pub.: Journal of Economic Geology, quarterly. Bulletin, quarterly.

SOUTHEAST CONNECTICUT PEOPLE'S ACTION FOR CLEAN ENERGY
P.O. Box 171
Niantic, Connecticut 06357
203-442-8414

SOUTHEASTERN ASSOCIATION OF REGULATORY UTILITY COMMISSIONERS
c/o David O. Benson, Secretary
Georgia Public Service Commission
162 State Office Building
244 Washington Street, S.W.
Atlanta, Georgia 30334
404-656-4539

President: Juanita W. McDaniel

Organization of regulatory utility commission members in Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, North Carolina, Mississippi, South Carolina, Tennessee, and Virginia.

SOUTHERN RESEARCH INSTITUTE (SRI)
2000 Ninth Avenue, S.
Birmingham, Alabama 35205
205-323-6592

President: Howard E. Skipper

Conducts research under contract with governmental agencies and business corporations. Among its projects have been studies on conversion of coal to synthetic gas or liquid fuel. Pub.: Bulletin, 2 or 3 times a year. Annual report.

GENERAL - OTHER ORGANIZATIONS

SOUTHWEST RESEARCH INSTITUTE (SwRI)
8500 Culebra Road
San Antonio, Texas 78284

President: Martin Goland

Conducts research under contract with governmental agencies and business corporations. Projects have included technical studies on such topics as liquefield natural gas, nuclear reactor engineering, offshore oil development, conversion of solid waste into energy, and energy conservation. Pub.: Tomorrow Through Research, quarterly.

STANFORD ENVIRONMENTAL LAW SOCIETY
Stanford University Law School
Stanford, California 94305

Publications include: Electricity Policy Choices: A California Case Study. Geothermal Energy: Legal Problems of Resource Development.

STANFORD RESEARCH INSTITUTE (SRI)
Menlo Park, California 94025
415-326-6200

Independent contract research organization. Projects have included studies on environmental effects of geothermal energy production, meeting California electrical energy requirements, 1975-2000, liquefied natural gas, conversion of coal into clean fuels, nuclear energy, and oil shale. Pub.: Reports.

STANFORD UNIVERSITY
Institute for Energy Studies
Stanford, California 94305
415-497-3237

Chairman: W.C. Reynolds

The Institute and its Energy Information Center serve as a connecting link among the "myriad of energy research programs and energy courses that exist within individual departments of the campus." Pub.: The California Nuclear Initiative: Analysis and Discussion of the Issues (1976). Garbage Power 82: An Integrated Plan for the Conversion of Solid Waste to Energy in Santa Clara County (1975). Biomass Energy for Hawaii (4 vols., 1977). Vertical Integration and Vertical Divestiture in the U.S. Oil Industry (1976). R&D in Energy: Implications of Petroleum Industry Organization (1977).

TEXAS A&M UNIVERSITY
Center for Energy and Mineral Resources
College Station, Texas 77843

Pub.: Texas Energy and Mineral Resources, 10 times a year.

THOMAS ALVA EDISON FOUNDATION
18280 W. Ten Mile Road, Suite 143
Southfield, Michigan 48075

Distributes a series of booklets on energy and related topics for grades 4-10.

TRUST, INC.
53 W. Jackson Boulevard, Room 235
Chicago, Illinois 60604
312-922-7950

Executive Director: Janet H. Malone

"Chicago's most diverse open forum." Focuses public attention through monthly meetings and the media on major issues, particularly as they affect the Chicago area. Energy has been an important interest. Pub.: Monthly newsletter.

UNITED ENGINEERING CENTER
345 E. 47th Street
New York, New York 10017

Publishes Energy Abstracts, monthly, "believed to be the world's most comprehensive source for abstracts of significant engineering articles in the field."

U.S. CONFERENCE OF MAYORS
See: National League of Cities

UNITED STATES NATIONAL COMMITTEE OF THE WORLD ENERGY CONFERENCE
See: World Energy Conference

UNIVERSITY CITY SCIENCE CENTER
Center for Energy and Natural Resources Management (CENRM)
3624 Science Center
Philadelphia, Pennsylvania 19104

GENERAL - OTHER ORGANIZATIONS

Director, CENRM: F. William Kirsch

University City Science Center is an independent research and service organization owned by 28 colleges, universities, and educational institutions in eastern Pennsylvania and Delaware. The Center for Energy and Natural Resource Management carries out projects under contract to federal, state, and local government. These have included, for example, studies on petroleum shortages and price increases; natural gas supply; state energy conservation policy; utility regulatory practices; and offshore oil and gas production.

CENRM also carries out an energy management program for hospitals, and maintains a Power Information Center.

UNIVERSITY OF ALABAMA IN HUNTSVILLE
Johnson Environmental and Energy Center (JEEC)
P.O. Box 1247
Huntsville, Alabama 35807
205-895-6257

Director: B. Schroer (Acting)

Operates the Alabama Solar Energy Center program; a solar energy research, development, test, and demonstration program; a conservation technology program; and an industrial development program. Pub.: Technical reports and conference proceedings (list available). Annual report.

UNIVERSITY OF ALASKA
Mineral Industry Research Laboratory
Resources Building
Fairbanks, Alaska 99701
907-479-7135

Associate Director: Ernest N. Wolff

Energy-related research has focused mainly on Alaskan coal. Pub.: Reports and handbooks.

UNIVERSITY OF ARIZONA

+Institute for Government Research
University of Arizona
Tucson, Arizona 85721
602-884-1545

Concerned with improving the process of communication in energy decisionmaking, the Institute has held an energy workshop and published Arizona Energy: A Resource Catalog.

+Office of Arid Lands Studies (OALS)
University of Arizona
Tucson, Arizona 85719

Maintains the Energy Resources Information System (ERIS), a storage and retrieval system designed to provide information on energy research in Arizona, and the Regional Energy Information System (REIS), for the states of Arizona, Colorado, New Mexico, Nevada, and Utah. Pub.: Reports, including: Impact of Energy Development on Water Resources in Arid Lands. Geothermal Technoecosystems and Water Cycles in Arid Lands.

UNIVERSITY OF CALIFORNIA, BERKELEY

+Lawrence Berkeley Laboratory (LBL)
Energy and Environment Division
Berkeley, California 94720
415-843-2740

Director, Energy and Environment Division: Robert J. Budnitz

Carries out a large program of research and analysis on energy use and conservation, solar energy, and environmental impacts of energy development, as well as basic scientific research related to energy problems. Other divisions of LBL are involved in nuclear research.

+Council on Energy and Resources
University Hall, Sixth Floor
University of California
Berkeley, California 94720
415-642-7571

Director: Paul P. Craig

Coordinates energy activities at all nine University of California campuses and three national laboratories, and promotes cooperation with and assistance to public agencies. Pub.: Energy Policy in California: A Directory (1975).

+Extension Media Center
University of California
2223 Fulton Street
Berkeley, California 94720

Publishes and distributes adult-level educational materials for use by schools, other universities, and the public, as well as the nine campuses of the University of California. Film library serves the U.S. Included are many titles relating to energy issues. Pub.: Newsletter. Film catalog.

UNIVERSITY OF CALIFORNIA, DAVIS
Energy Extension Service
University Extension
Davis, California 95616
916-752-0858

Program Coordinator: Jan Hamrin

The UC Energy Extension Service on the Davis campus is the "lead" group within the statewide university system for energy education and information, developing and coordinating energy extension programs, and establishing a clearinghouse for information related to all types of energy education throughout California.

UNIVERSITY OF CALIFORNIA, SAN DIEGO
Energy Center
La Jolla, California 92093

Director: S.S. Penner

Scientific, technical, and economic studies are performed on all aspects of the energy problem by some 50 faculty members. Examples of recent projects: geothermal resource development for use in the San Diego region; environmental effects of large "nuclear farms;" development of new insulating materials; hydrogen storage in rare-earth materials.

UNIVERSITY OF COLORADO
Educational Media Center
Stadium Building
Boulder, Colorado 80309

Distributes a nine-part series, Energy Sources - A Matter of Policy, available as film, videocassette, and filmstrip editions.

GENERAL - OTHER ORGANIZATIONS

UNIVERSITY OF DELAWARE
Institute of Energy Conversion
1 Pine Creek Center
Wilmington, Delaware 19808

Applied research on energy conversion and energy conservation. Pub.: Newsletter, quarterly. Reports, including a Bibliography of Energy Related Books.

UNIVERSITY OF KENTUCKY
Institute for Mining and Minerals Research
Lexington, Kentucky 40506

Energy-related research has focused mainly on coal and environmental impacts of energy development. Pub.: Reports, including: Synthetic Oil from Coal. Financing Public Expenditures for Energy Impacted Roads.

UNIVERSITY OF NEW MEXICO
Technology Application Center (TAC)
Energy Program
Albuquerque, New Mexico 87131
505-277-3622

Director, TAC: Stanley Morain
Manager, Energy Program: Doyle L. Caton

Part of the University's Institute for Applied Research Services, and supported by NASA, TAC collects, processes, and disseminates technical data on a range of topics. It is believed to be perhaps the "largest publicly accessible information center" in the U.S." The Energy Program has conducted a survey of western energy information needs, a meeting on energy conservation in southwestern housing, and a program of energy assistance to New Mexico business. It distributes publications originating from solar and wind research projects at NASA's Lewis Research Center, and issues three quarterly bibliographies: Heat Pipe Technology; Hydrogen Energy; and Solar Thermal Energy Utilization.

UNIVERSITY OF PENNSYLVANIA
The Energy Center
3221 Walnut Street, K-2
Philadelphia, Pennsylvania 19104
215-243-8507

Director: Lawrence Eisenberg

GENERAL - OTHER ORGANIZATIONS

Research and teaching in the fields of energy systems, bioenergy, solar energy, energy allocation, energy modeling and simulation, energy conversion, and energy conservation. Pub.: Reports and papers (list available).

UNIVERSITY OF TEXAS AT ARLINGTON
Center for Energy Policy Studies
Arlington, Texas 76019

UNIVERSITY OF TEXAS AT AUSTIN
Center for Energy Studies
ENS 143
Austin, Texas 78712
817-471-7792

Director: H.H. Woodson

Conducts a major program of research on geothermal resources, energy conservation, commercialization of new energy technologies, energy economics, environmental impacts, lignite, nuclear power, solar power, and social impacts of energy resource development. Operates an Energy Information Service, a computerized storage and retrieval system available to the public.

UNIVERSITY OF WYOMING
Office of Research
Laramie, Wyoming 82071
307-766-5353

Vice President of the University for Research: E. G. Meyer

Program includes technical research on fossil, solar, and wind energy; and socioeconomic studies on the impact of energy development on Wyoming. Also runs a "human services program" that provides help to people in communities impacted by Wyoming energy development.

WESTERN CONFERENCE OF PUBLIC SERVICE COMMISSIONERS
c/o Susan Knowles, Secretary-Treasurer
Alaska Public Utilities Commission
1100 MacKay Building
Anchorage, Alaska 99501
907-272-1487

President: Robert Lenaghen

Organization of members of regulatory utility commissions in the states of Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

WORLD CHRISTIAN STUDENT FEDERATION (WCSF)
North American Office
427 Bloor Street, W.
Toronto, Ontario M5S 1X7, Canada
416-922-8597

Coordinator, Energy Education Project: Mark Wendorf

WCSF's North American energy project "seeks to foster the political understanding and involvement of students by centering on questions raised by the current energy crisis, and especially on the relations between Canada and the U.S. in the energy field."

WORLD ENERGY CONFERENCE (WEC)
34 St. James's Street
London, England SW1A 1HD
01-930-3966

Secretary-General: E. Ruttley

A voluntary international organization, founded in 1924 as the World Power Conference (present name adopted 1968). Its aims are to consider the potential resources and all means of production, transportation, and utilization of energy in relation to the growth of economic activity in the field; collect and publish data on energy and use; and hold conferences.

A World Energy Conference is held every three years (Detroit, 1974; Istanbul, Turkey, 1977). WEC has some 70 national committees, including the U.S. committee (see below).

Pub.: Transactions are issued for each conference. Survey of Energy Resources, every 6 years (last edition, 1974), with periodic revisions of statistical tables. Technical Data on Fuel (7th edition, 1976). Directory of Energy Information Centers in the World (1976).

GENERAL - OTHER ORGANIZATIONS

+United States National Committee of the World Energy Conference (USNC)
c/o American Petroleum Institute
2101 L Street, N.W.
Washington, D.C. 20037

Represents U.S. interests in WEC. Has held several forums in the U.S. on global energy issues.

WORLD FUTURE SOCIETY (WFS)
4916 St. Elmo Avenue
Washington, D.C. 20014
301-656-8274

President: Edward S. Cornish

"An association for the study of alternative futures." Has held a special forum on energy issues. There are local chapters and groups in various parts of the country. WFS maintains an Energy and Natural Resources Section. Pub.: The Futurist: A Journal of Forecasts, Trends and Ideas about the Future, bimonthly, which has included regular coverage of energy problems. Conference proceedings and tape recordings.

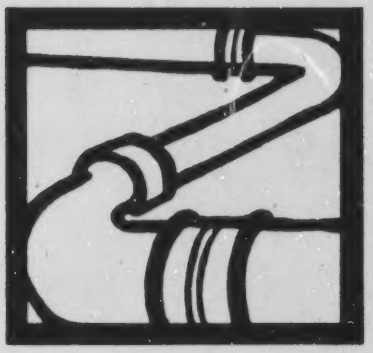
WORLDWATCH INSTITUTE
1776 Massachusetts Avenue, N.W., Suite 701
Washington, D.C. 20005
202-452-1999

President: Lester R. Brown
Senior Researcher (energy problems): Denis Hayes

Focuses public attention on emerging global issues through research and publications. "The Worldwatch approach to problems is international and cuts across traditional disciplines. The Program of research and analysis reflects the view that solutions to many of tomorrow's problems are not likely to be found within the confines of national frontiers and narrow academic perspectives. The aim of Worldwatch studies is to encourage a reflective, deliberate approach to global problem solving."

Pub.: Books include Rays of Hope: The Transition to a Post-Petroleum World (1977). The Worldwatch Paper Series includes: The Other Energy Crisis (No. 1, 1975). Energy: The Case for Conservation (1976). Nuclear Power: The Fifth Horseman (1976). Energy: The Solar Prospect (1977). Third World Energy Options (1978).

2. Oil & Gas



Federal Agencies, page 70
Interstate Agencies, page 75
State Agencies, page 75
Other Organizations, page 79
Major Oil Companies, page 94
Major Gas Utilities, page 94

Together, oil and natural gas provide more than three-fourths of all energy consumed in the United States (oil, about 45%; gas, about 32%). The principal trade groups are the American Petroleum Institute and the American Gas Association. Transmission and distribution of natural gas in most states is subject to public utility regulation; see pages 20-37 for a list of state regulatory agencies. Although oil pollution has been a major concern of all of the leading environmental groups (see Chapter 9), we have listed three organizations in this chapter that are entirely focused on that issue: Coalition Against Oil Pollution, page 84, Get Oil Out!, 85, and GOO Two, 85.

OIL AND GAS - FEDERAL AGENCIES

FEDERAL AGENCIES

DEPARTMENT OF COMMERCE
Washington, D.C. 20230

Secretary of Commerce: Juanita M. Kreps

+NATIONAL BUREAU OF STANDARDS
Washington, D.C. 20234
301-921-1000

++Cryogenic Data Center
National Bureau of Standards
Boulder, Colorado 80302

Central information clearinghouse on cryogenics, including liquefied natural gas. Storage and retrieval of data from the world's literature. Publications include Liquefied Natural Gas, quarterly.

DEPARTMENT OF ENERGY
Washington, D.C. 20545
202-252-5000 (Information)

Secretary of Energy: James R. Schlesinger
Administrator, Economic Regulatory Administration: David J. Bardin
Assistant Secretary, Resource Applications: George S. McIssac (Designate)
Assistant Secretary, Energy Technology: Robert D. Thorne (Acting)
Director, Office of Fossil Energy Programs: G.W. Fumich
Chairman, Federal Energy Regulatory Commission: Charles B. Curtis

For a general description of the new Department of Energy, see Chapter 1. DOE has taken over all of the functions relating to oil and gas of the former Energy Research and Development Administration (ERDA) and the Federal Energy Administration (FEA); all functions of the former Federal Power Commission (FPC), including natural gas regulation; authority of the Department of the Interior for gathering information on fuel supplies and the setting of economic terms for leasing public land for energy development; authority from the Department of Defense over Naval oil and oil shale reserves; and functions of the Interstate Commerce Commission related to transportation of oil by pipeline.

The DOE Assistant Secretary for Resource Applications is responsible for developing and implementing voluntary and incentive programs to increase domestic supplies of petroleum and natural gas. He also manages DOE aspects of federal energy resource leasing procedures, including promulgation of regulations.

This office is also charged with administering the national Strategic Petroleum Reserves, the oil stockpile designed to decrease U.S. vulnerability to supply interruptions and foreign oil price increases; and the Naval Petroleum Reserves and Naval Oil Shale Reserves (see below).

The DOE Assistant Secretary for Energy Technology, working primarily through the Office of Fossil Energy Programs, is responsible for research, development, and technology development in such fields as oil shale and in-situ gasification; enhanced oil recovery; enhanced gas recovery; drilling, exploration, and offshore technology; and processing and utilization.

The Economic Regulatory Administration (ERA) administers the oil pricing, allocation, and import programs formerly handled by the Federal Energy Administration. Established during the 1973-74 oil embargo under the Emergency Petroleum Act, and extended under subsequent legislation, these programs are designed to ensure price stability and equitable supplies of crude oil, petroleum products, and natural gas liquids among a wide range of domestic users.

The ERA will assure compliance with existing regulations and carry out new regulatory programs when needed in the future. It also will provide the organizational basis for carrying out the recommendations of the FEA Task Force on Compliance, issued in 1977, including designation of a Special Counsel to conduct an intensive two-year compliance audit of major oil companies.

In addition to oil pricing and allocation, ERA will administer other regulatory programs, including natural gas import and export controls; natural gas curtailment priorities and

OIL AND GAS - FEDERAL AGENCIES

emergency allocations; and emergency and contingency planning. It will intervene before the Federal Energy Regulatory Commission (see below) and other federal and state regulatory agencies in support of the Department's policy objectives.

The Federal Energy Regulatory Commission (FERC), an independent, 5-member organization within DOE, will have many of the functions of the former Federal Power Commission, and inherits the authority of the Interstate Commerce Commission to establish rates or charges for the transportation of oil by pipeline, as well as the valuation of such pipelines.

In the field of oil and gas, FERC also establishes and enforces rates and charges for the transmission and sale of natural gas; issues and enforces certificates of public convenience and necessity for construction of natural gas facilities and abandonment of services or facilities; establishes and enforces curtailments of natural gas (other than establishment and review of curtailment priorities, which is handled by the Economic Regulatory Administration, described above); and regulates mergers and securities acquisitions under the Natural Gas Act and Federal Power Act, as well as carrying out the oil pipeline functions.

Directors of Regional Compliance, Economic Regulatory Administration, Department of Energy (ten standard federal regions):

+Region I, DOE Regulatory Programs
150 Causeway Street
Boston, Massachusetts 02114
617-223-3705

+Region II, DOE Regulatory Programs
26 Federal Plaza
New York, New York 10007
212-264-1040

+Region III, DOE Regulatory Programs
1421 Cherry Street
Philadelphia, Pennsylvania 19102
215-597-3870

+Region IV, DOE Regulatory Programs
1655 Peachtree Street, N.E.
Atlanta, Georgia 30309
404-881-2661

+Region V, DOE Regulatory Programs
175 W. Jackson Boulevard
Chicago, Illinois 60604
312-353-8770

+Region VI, DOE Regulatory Programs
2626 W. Mockingbird Lane
Dallas, Texas 75235
214-749-7626

+Region VII, DOE Regulatory Programs
1150 Grand Avenue
Kansas City, Missouri 64106
816-374-5936

+Region VIII, DOE Regulatory Programs
1075 S. Yukon Street
Lakewood, Colorado 80226
303-234-3195

+Region IX, DOE Regulatory Programs
111 Pine Street
San Francisco, California 94111
415-556-7200

+Region X, DOE Regulatory Programs
915 Second Avenue
Seattle, Washington 98174
206-442-7320

Naval Petroleum and Oil Shale Reserves:

Formerly controlled by the Department of the Navy. There are four Naval Petroleum Reserves: No. 1, Elk Hills, California (38,072 acres); No. 2, Buena Vista Hills, California (30,180 acres); No. 3, Teapot Dome, Wyoming (9,481 acres); and No. 4, Alaska (37,000 square miles). There are three oil shale reserves: No. 1, Colorado (41,760 acres); No. 2. Utah (90,440 acres); and No. 3, Colorado (13,133 acres). Oil available from the reserves is substantial; for example, the oil in Petroleum Reserve No. 1 is now in excess of 25% of the total petroleum reserves on the West Coast.

OIL AND GAS - FEDERAL AGENCIES

Supervisory offices for the Naval Petroleum Reserves and Oil Shale Reserves, respectively, are located in California (805-763-4131), and Wyoming (307-265-5550, Ext. 5161).

Energy Research Centers, Department of Energy:

The following DOE Energy Research Centers have major oil and/or natural gas projects:

+Bartlesville Energy Research Center
P.O. Box 1398
Bartlesville, Oklahoma 74003
918-336-2400

Conducts a broad program of studies in production, processing, and utilization of liquid and gaseous fuels.

+Laramie Energy Research Center
P.O. Box 3395
University Station
Laramie, Wyoming 82070
307-742-2115

Primary research mission is to expedite the start and effective growth of an oil shale industry.

+Morgantown Energy Research Center
P.O. Box 880
Morgantown, West Virginia 26505
304-599-7764

Program includes investigations of methods for stimulation of oil and natural gas production.

DEPARTMENT OF THE INTERIOR
Washington, D.C. 20240

Secretary of the Interior: Cecil D. Andrus

+U.S. GEOLOGICAL SURVEY (USGS)
National Center
Reston, Virginia 22092
703-860-7444 (Information)

Director: H. William Menard

Conservation Division

Chief: Russell V. Wayland (Acting)

Chief, Onshore Oil and Gas Operations Branch: Eddie R. Wyatt
Chief, Marine Oil and Gas Operations Branch: Richard Krahl

Geologic Division

Chief: Dallas L. Peck

In the field of oil and gas, USGS conducts geologic surveys and related studies to develop information needed to appraise and use oil and gas resources optimally. It classifies federal lands as to their value for leasable minerals, including oil and gas.

USGS also supervises the operations of private industry on the public domain lands, Outer Continental Shelf (OCS) lands, Indian trust lands, and certain Naval Petroleum and Oil Shale Reserve lands to insure maximum utilization and prevent waste, to limit environmental damage and pollution, and to protect the public health and safety. It is responsible for assuring that the public receives a fair market return for the disposition of oil and gas produced on federal lands, and it collects royalties from such production. USGS also establishes maximum rates of production for producing wells on the Outer Continental Shelf.

Pub.: Results of investigations are published as U.S. Geological Survey Professional Papers, Bulletins, Circulars, and map series, in scientific and technical publications, and in publications of cooperating state agencies. A monthly list of new publications is issued.

Regional Offices:

USGS maintains regional offices in Denver (Denver Federal Center, Denver Colorado 80225, 303-234-4630), in the San Francisco area (345 Middlefield Road, Menlo Park, California 94025, 415-323-2811), and at the Reston, Virginia, headquarters (703-860-7414).

OIL AND GAS - FEDERAL AGENCIES

+BUREAU OF MINES
2401 E Street, N.W.
Washington, D.C. 20241
202-634-1004

Director: Vacant

Almost all of the functions of the Bureau of Mines relating to oil and gas have been transferred to the new Department of Energy. However, the Bureau's Office of Mineral Information collects, compiles, analyzes, and publishes statistical and economic information on all phases of mineral resource development, including oil and gas. The major reference publication issued is the Mineral Yearbook.

+BUREAU OF LAND MANAGEMENT
(BLM)
Washington, D.C. 20240
202-343-5717 (Information)

Director: Vacant
Associate Director: George Turcott
Assistant Director, Minerals Management: Frank Edwards
Deputy Assistant Director: Donald Truesdell
Chief, Division of Program Development and Analysis: Vacant
Chief, Program Development Branch: John Mason
Chief, Economic Analysis Branch: Vincent Hecker
Chief, Division of Minerals Resources: Dale Zimmerman
Chief, Upland Leasing Branch: Doris Koivula
Chief, Marine Leasing: Dale Johnson
Chief, Mining Branch: Vacant
Chief, Division of Minerals Environmental Analysis: Henry Noldan
Chief, Upland Environment Branch: Bruce Powers
Chief, Marine Environment Branch: William Van Horn
Chief, Environmental Studies Branch: Frank Monastero

While the U.S. Geological Survey (see above) is responsible for supervising oil and gas operations on federal lands and the Outer Continental Shelf, the Bureau of Land Management has authority over leasing such lands and rights of way for pipelines, and making rules for lessees.

OCS Offices, Bureau of Land Management:

++Alaska OCS Office, BLM
800 A Street
Anchorage, Alaska 99510
907-276-2955

++Pacific OCS Office, BLM
300 N. Los Angeles Street, Room 7127
Los Angeles, California 90012
213-688-7234

++New York OCS Office, BLM
Federal Building, Suite 32-120
26 Federal Plaza
New York, New York 10007
212-264-2960

++New Orleans OCS Office
500 Camp Street, Suite 841
New Orleans, Louisiana 70130
504-589-6541

Regional Offices, Bureau of Land Management:

++BLM Alaska State Office
555 Cordova Street
Anchorage, Alaska 99501
907-277-1561

++BLM Arizona State Office
2400 Valley Bank Center
Phoenix, Arizona 85073
602-261-3900

++BLM California State Office
2800 Cottage Way, Room E-2841
Sacramento, California 95825
916-484-4724

++BLM Colorado State Office
1600 Broadway
Denver, Colorado 80202
303-837-4481

OIL AND GAS - FEDERAL AGENCIES

++BLM Idaho State Office
P.O. Box 042
Boise, Idaho 83724
208-384-1770

++BLM Nevada State Office
300 Booth Street, Room 3008
Reno, Nevada 89509
702-784-5459

++BLM Utah State Office
136 East South Temple
Salt Lake City, Utah 84111
801-524-4227

++BLM Eastern States Office
7981 Eastern Avenue
Silver Spring, Maryland 20910
301-427-7440

Responsible for states east of the Mississippi River, plus Iowa, Minnesota, Missouri, Arkansas, and Louisiana.

++BLM Office for Montana, North Dakota, and South Dakota
P.O. Box 30157
Billings, Montana 59107
406-585-6011

++BLM Office for Wyoming, Kansas, and Nebraska
P.O. Box 1828
Cheyenne, Wyoming 82001
307-778-2220

++BLM Office for Oregon and Washington
P.O. Box 2965
Portland, Oregon 97208
503-234-3361

++BLM Office for Oklahoma, New Mexico, and Texas
P.O. Box 1449
Santa Fe, New Mexico 87501
505-988-6316

+NATIONAL PETROLEUM COUNCIL
(NPC)
1625 K Street, N.W.
Washington, D.C. 20006
202-393-6100

Executive Director: Kenneth E. Belieu

An advisory body to the Secretary of the Interior on oil and gas matters. Committees include: Future Energy Prospects; and Enhanced Recovery Techniques for Oil and Gas in the United States. Pub.: Request list of publications.

SECURITIES AND EXCHANGE COMMISSION
(SEC)
500 N. Capitol Street
Washington, D.C. 20549
202-755-4846

Chairman: Harold M. Williams
Executive Director: Peter H. Shipman

Under the Public Utility Holding Company Act of 1935, the SEC regulates the purchase and sale of securities and assets by companies in electric and gas utility holding company systems, their intrasystem transactions, and their service and management arrangements. It limits holding companies to a single coordinated utility system and requires simplification of complex corporate and capital structures and elimination of unfair distribution of voting power among holders of system securities.

SEC regional offices and publications are listed on pages 166-167.

INTERSTATE AGENCIES

INTERSTATE OIL COMPACT COMMISSION
P.O. Box 53127
Oklahoma City, Oklahoma 73105
405-525-3556

Chairman: Gov. David Boren
Executive Director: W. Timothy Dowd
Director of Technical Services: Charles E. Bowlin
Director of Communications: Richard A. Oyler

Created in 1935 by interstate compact approved by Congress, the IOCC is a cooperative advisory body which provides a forum for interstate cooperation to prevent avoidable waste of oil and gas and further efficient practices in oil and gas production.

Thirty states have ratified the compact. Each state agrees to enact laws providing that oil produced in violation of its statutes, orders, or regulations be denied access to commerce. Each signatory state agrees to enact laws to accomplish specified conservation aims.

Pub.: Compact Bulletin and Committee Bulletin, both semiannual, contain documents presented at the Commission's two yearly meetings. A newsletter, Compact Comments, is issued quarterly. Many special reports have been issued on such topics as well spacing, disposal of wastes, and testing of gas wells. General Rules and Regulations for the Conservation of Oil and Gas, 1969, contains basic concepts for state programs.

STATE AGENCIES

State agencies responsible for regulating oil and gas production are listed below (12 states not listed produce very little or no oil or gas). Many of the state geological agencies listed in Chapter 1 of this book conduct basic studies in the geology of oil and gas and collect and publish statistics on reserves, production, etc. The state regulatory utility agencies listed in Chapter 1 generally have authority to regulate at least the privately owned gas utilities in their states. The extent of authority of the state commissions is described in a Federal Energy Regulatory Commission publication, Federal and State Commission Jurisdiction and Regulation.

ALABAMA

ALABAMA STATE OIL AND GAS BOARD
P.O. Drawer O
University, Alabama 35486
205-759-5721

State Oil and Gas Supervisor: P.E. LaMoreaux

ALASKA

ALASKA DIVISION OF OIL AND GAS
3001 Porcupine Drive
Anchorage, Alaska 99504
907-279-1433

Director: O.K. Gilbreth

ARIZONA

ARIZONA OIL AND GAS CONSERVATION COMMISSION
8686 N. Central Avenue
Phoenix, Arizona 85020
602-271-5161

Executive Secretary: John Bannister

ARKANSAS

ARKANSAS OIL AND GAS COMMISSION
314 E. Oak Street
El Dorado, Arkansas 71730
501-862-4965

Director: Ralph A. Dumas

CALIFORNIA

CALIFORNIA DEPARTMENT OF CONSERVATION
Division of Oil and Gas
1416 Ninth Street, Room 1316
Sacramento, California 95814
916-445-9686

Oil and Gas Supervisor: Harold W. Bertholf

OIL AND GAS - STATE AGENCIES

COLORADO

COLORADO OIL AND GAS CONSERVATION COMMISSION
1845 Sherman Street, Room 237
Denver, Colorado 80203
303-892-3531

Director: Douglas V. Rogers

FLORIDA

FLORIDA DEPARTMENT OF NATURAL RESOURCES
Division of Resources Management
Bureau of Geology
202 Blount Street
Tallahassee, Florida 32304
904-488-6559

Chief, Bureau of Geology: Charles Hendry, Jr.

GEORGIA

GEORGIA DEPARTMENT OF NATURAL RESOURCES
Geologic and Water Resources Division
19 Hunter Street, S.W.
Atlanta 30334
404-656-3214

Director and State Geologist: Sam M. Pickering

IDAHO

IDAHO BUREAU OF MINES AND GEOLOGY
Mines Building
University of Idaho
Moscow, Idaho 83843
208-885-6785

Chief: John Bond (Acting)

ILLINOIS

ILLINOIS DEPARTMENT OF MINES AND MINERALS
Oil and Gas Division
400 S. Spring Street
Springfield, Illinois 62706
217-782-7756

Director: George R. Lane

INDIANA

INDIANA DEPARTMENT OF NATURAL RESOURCES
Division of Oil and Gas
606 State Office Building
100 N. Senate Avenue
Indianapolis, Indiana 46204
317-633-6344

Head: Homer R. Brown

IOWA

IOWA GEOLOGICAL SURVEY
123 N. Capitol Street
Iowa City, Iowa 52242
319-338-1173

Director: Stanley C. Grant

KANSAS

KANSAS CORPORATION COMMISSION
Oil and Gas Conservation Division
State Office Building, 4th Floor
Topeka, Kansas 66612
913-296-3325

Administrator: J. Lewis Brock

KENTUCKY

KENTUCKY DEPARTMENT OF MINES AND MINERALS
Oil and Gas Division
P.O. Box 680
Lexington, Kentucky 40501
606-254-0367

Director: Henry M. Morgan

OIL AND GAS - STATE AGENCIES

LOUISIANA

LOUISIANA DEPARTMENT OF CONSERVATION
P.O. Box 44156
Baton Rouge, Louisiana 70804
504-389-5161

Chief, Division of Natural Resources and Energy: James E. Kinard

MARYLAND

MARYLAND GEOLOGICAL SURVEY
Latrobe Hall
Johns Hopkins University
Baltimore, Maryland 21218
301-235-0771

Director: Kenneth N. Weaver

MICHIGAN

MICHIGAN DEPARTMENT OF NATURAL RESOURCES
Geology Division
Stevens T. Mason Building
Lansing, Michigan 48926
517-373-1256

State Geologist and Chief: Arthur E. Slaughter

MISSISSIPPI

MISSISSIPPI STATE OIL AND GAS BOARD
P.O. Box 1332
Jackson, Mississippi 39205
601-354-7104

Supervisor: Quincy R. Hodges

MISSOURI

MISSOURI STATE OIL AND GAS COUNCIL
P.O. Box 250
Rolla, Missouri 65401
314-364-1752

Administrator: Wallace B. Howe

MONTANA

MONTANA DEPARTMENT OF OIL AND GAS CONSERVATION
P.O. Box 217
Helena, Montana 59601
406-449-2611

Administrator: Donald E. Chisholm

NEBRASKA

NEBRASKA OIL AND GAS CONSERVATION COMMISSION
P.O. Box 399
Sidney, Nebraska 69162
308-254-4595

Director: Paul H. Roberts

NEVADA

NEVADA DIVISION OF OIL AND GAS CONSERVATION
201 S. Fall Street
Carson City, Nevada 89710
702-885-4380

Executive Secretary: William J. Newman

NEW MEXICO

NEW MEXICO OIL CONSERVATION COMMISSION
P.O. Box 2088
Santa Fe, New Mexico 87501
505-827-3260

Director and State Petroleum Engineer: Joe D. Ramey

NEW YORK

NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Bureau of Minerals
Albany, New York 12201
518-457-7480

Chief: John J. Dragonetti

OIL AND GAS - STATE AGENCIES

NORTH CAROLINA

NORTH CAROLINA DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES
Office of Earth Resources
Raleigh, North Carolina 27611
919-733-3833

State Geologist: Stephen G. Conrad

NORTH DAKOTA

NORTH DAKOTA GEOLOGICAL SURVEY
University Station
Grand Forks, North Dakota 58202
701-777-2231

State Geologist: E. A. Noble

OHIO

OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Oil and Gas
Fountain Square
Columbus, Ohio 43224
614-466-3770

Chief: Theodore E. DeBrosse (Acting)

OKLAHOMA

OKLAHOMA CORPORATION COMMISSION
Oil and Gas Conservation Division
Jim Thorpe Office Building
Oklahoma City, Oklahoma 73105
405-521-2351

Director: Dan R. Dunnett

OREGON

OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
1069 State Office Building
Portland, Oregon 97201
503-229-5580

Petroleum Engineer: Vernon C. Newton

PENNSYLVANIA

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Division of Oil and Gas
1205 Kossman Building
Pittsburgh, Pennsylvania 15222
412-565-5075

Chief: Bruce E. Ziegler

SOUTH CAROLINA

SOUTH CAROLINA STATE DEVELOPMENT BOARD
Division of Geology
P.O. Box 927
Columbia, South Carolina 29202
803-758-6431

State Geologist: Norman K. Olson

SOUTH DAKOTA

SOUTH DAKOTA STATE GEOLOGICAL SURVEY
Office of the Oil and Gas Supervisor
308 W. Boulevard
Rapid City, South Dakota 57701

Oil and Gas Supervisor: Fred Steece

TENNESSEE

TENNESSEE DEPARTMENT OF CONSERVATION
Division of Geology
G-5 State Office Building
Nashville, Tennessee 37219
615-741-2726

State Geologist: Robert E. Hershey

TEXAS

TEXAS RAILROAD COMMISSION
Oil and Gas Division
P.O. Box 12967
Austin, Texas 78711
512-475-3003

Chief Engineer: Arthur H. Barbeck

UTAH

UTAH DEPARTMENT OF NATURAL RESOURCES
Oil, Gas, and Mining Division
1588 W. North Temple
Salt Lake City, Utah 84116
801-533-5771

Director: Cleon B. Feight

WASHINGTON

WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES
Office of the State Oil and Gas Supervisor
Olympia, Washington 98504
206-753-6183

WEST VIRGINIA

WEST VIRGINIA DEPARTMENT OF MINES
Oil and Gas Division
1613 Washington Street, East
Charleston, West Virginia 25311
304-348-2055

Deputy Director: Robert L. Dodd

WYOMING

WYOMING OIL AND GAS CONSERVATION COMMISSION
202 E. Second Street
Casper, Wyoming 82601
307-234-7147

Director and Oil and Gas Supervisor: Donald B. Basko

OTHER ORGANIZATIONS

ALABAMA NATURAL GAS ASSOCIATION
P.O. Box 785
Birmingham, Alabama 35201
205-328-5410

ALASKA OIL AND GAS ASSOCIATION
505 W. Northern Lights Boulevard, Suite 219
Anchorage, Alaska 99503

A division of the Western Oil and Gas Association. Maintains several subcommittees on Alaskan issues, including: Arctic Research, Environmental, Exploration, Lands, Operations, and Public Relations.

AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS (AAPG)
P.O. Box 797
Tulsa, Oklahoma 74101
918-584-2555

Executive Director: Fred A. Dix, Jr.

Professional association; disseminates scientific and technical information pertinent to exploration for oil, gas, and other energy resources. Pub.: Bulletin of the American Association of Petroleum Geologists, monthly. Special publications.

AMERICAN ASSOCIATION OF PETROLEUM LANDMEN
2408 Continental Life Building
Fort Worth, Texas 76102
817-335-9751

Executive Vice President: W.H. Mowery

Provides educational and training services to persons concerned with petroleum leases. Pub.: Landman, monthly. Directory of members, annual.

AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO)
341 National Press Building
Washington, D.C. 20045
202-624-5800

Executive Director: Henrik E. Stafseth

Concerns have included "present and anticipated economic and financial crises created by transportation revenue short fall occasioned by shortages in oil, of proposed energy conservation taxes and other disincentive measures on the use of motor fuels. In total these revenue losses severly impact State and local governments' abilities to provide, operate and maintain essential transport facilities and services for public use." Pub.: AASHTO Quarterly (successor to American Highway and Transportation Magazine). Technical reports

OIL AND GAS - OTHER ORGANIZATIONS

and policy statements. List available.

AMERICAN GAS ASSOCIATION (AGA)
1515 Wilson Boulevard
Arlington, Virginia 22209
703-524-2000

President: George H. Lawrence
Senior Vice President, Industry Programs and Services: Leonard W. Fish

Major national association representing the privately owned gas distribution and transmission segments of the natural gas industry. AGA has some 300 member companies and an annual budget of about $30 million. Committees: Gas Industry Coordinating Council; Government Relations; Standards; Laboratories; Managing; Gas Supply; Consumer Affairs and Safety; Legal; Natural Gas Reserves; Public Relations.

Planning and Analysis office: Develops mid- and long-range plans for the development of the industry and the Association. Studies, analyzes, and estimates gas supplies and requirements. Compiles and disseminates statistics and other data on the economic, financial, marketing, operating, and rate characteristics of the gas utility and pipeline industry.

Research and Engineering office: Conducts a broad program of studies directed toward increasing gas supplies, expanding gas markets through applications which conserve the national energy supply, developing new scientific knowledge, and improving methods of delivery and utilization of gas energy. Also provides engineering information to member companies and governmental agencies, and participates in the development of national codes and standards.

Government Relations office: Represents the industry before Congress and other federal agencies, and keeps members advised of current federal activities. Assists members in developing their own effective government relations programs.

Communications Group: Assists member companies in their sales efforts and consumer information programs, and acts as the publicity arm of the gas industry.

Pub.: A catalog listing several hundred publications, posters, filmstrips, etc., is available. Films on Gas lists films available from AGA or member companies. Basic publications include: American Gas Association Monthly. AGA Rate Service, a looseleaf service on gas rate schedules. AGA Washington Letter, a weekly report on government actions, rulings, and significant legislation. Quarterly Report of Gas Industry Operations, which includes data on utility customers, sales and revenues by type of gas, etc. Gas Facts, annual, containing tabular material on energy reserves, production, transmission and distribution, underground storage, sales and utilization, finance, labor, and prices in the gas industry. A Consumer's Guide to Energy Conservation with Natural Gas.

+AGA Laboratories
8501 E. Pleasant Valley Road
Cleveland, Ohio 44131
216-524-4990

Conducts a national voluntary appliance certification program for gas appliance and accessory designs. When designs meet national standards, appliances are granted the AGA "Blue Star" certification seal. A Directory of Certified Appliances and Accessories is published for the information of consumers, utilities, and public agencies. A branch laboratory is maintained at 1425 Grande Vista Avenue, Los Angeles, California 90023, 213-261-8161.

AMERICAN PETROLEUM INSTITUTE (API)
2101 L Street, N.W.
Washington, D.C. 20037
202-457-7000

President: Frank N. Ikard
Executive Vice President: Charles J. DiBona
Vice President: Stephen P. Potter
Vice President: Charles T. Sawyer
Vice President: Daniel B. Rathbun
Vice President: Phil G. Goulding
Director, Public Relations: Harry H. Hardy

Major national organization representing all facets of the domestic petroleum industry.

API has some 7,000 individual and 350 company members, with the major oil companies contributing more than half of its annual budget.

Departments include: Statistics; Central Abstracting and Indexing Service; Federal Relations; State Relations; Taxation; Exploration; Marketing; Refining; Transportation; Production; Conservation; Environmental Affairs; Federal Agencies; Finance and Accounting; Medical and Biological Science; Policy Analysis; Public Relations; Special Issues; Editorial; and External Liaison.

About one-third of API's budget goes to industry research in technical areas such as materials and operations standardization and health and medical matters.

Another major activity is representing the interests of the industry in public policy issues before Congress, federal agencies, state governments, and the public. API supports, for example, exploration and development of oil and gas reserves on the Outer Continental Shelf, deregulation of oil and gas prices, development of supplemental energy resources, conservation of existing supplies, development of deepwater port facilities, and "reasonable government regulations of industry operations."

Pub.: Weekly Statistical Bulletin. Numerous technical, educational, and policy publications are issued; an annual catalog is available.

Field Offices, American Petroleum Institute:

+Production Department, API
300 Corrigan Tower Building
Dallas, Texas 75201
214-741-6791

Pub.: Technical bulletins, specifications, and training materials on oil field practices.

+Central Abstracting and Indexing Service, American Petroleum Institute
275 Madison Avenue
New York, New York 10016
212-685-6254

OIL AND GAS - OTHER ORGANIZATIONS

+Central Region Office, API
200 E. Randolph Drive, Room 5106
Chicago, Illinois 60601
312-565-1160

+Eastern Region Office, API
410 Asylum Street, Room 628
Hartford, Connecticut 06103
203-247-5815

+Southern Region Office, API
230 Peachtree Street, N.W.
Atlanta, Georgia 30303
404-521-3476

State Councils, American Petroleum Institute:

+Alabama Petroleum Council
660 Adams Avenue, Suite 188
Montgomery, Alabama 36104

+Arkansas Petroleum Council
Little Rock, Arkansas 72201

+Connecticut Petroleum Council
410 Asylum Street
Hartford, Connecticut 06103

+Delaware Oil Men's Association
437 N. Dupont Highway
Dover, Delaware 19901

+Florida Petroleum Council
111 N. Gadsden Street
Tallahassee, Florida 32301

+Petroleum Council of Georgia
161 Peachtree Street, N.E.
Atlanta, Georgia 30303

+Illinois Petroleum Council
P.O. Box 5034
Springfield, Illinois 62705

+Iowa Petroleum Council
1012 Fleming Building
Des Moines, Iowa 50309

+Kansas Petroleum Council
8th and Jackson Streets, Suite 1414
Topeka, Kansas 66612

OIL AND GAS - OTHER ORGANIZATIONS

+Kentucky Petroleum Council
4010 Dupont Circle, Suite 469
Louisville, Kentucky 40207

+Maine Petroleum Association
283 Water Street
Augusta, Maine 04330

+Maryland Petroleum Association
60 West Street
Annapolis, Maryland 21401

+Massachusetts Petroleum Council
11 Beacon Street
Boston, Massachusetts 02108

+Associated Petroleum Industries of Michigan
930 Michigan National Tower
Lansing. Michigan 48933

+Minnesota Petroleum Council
1020 Northern Federal Building
St. Paul, Minnesota 55102

+Mississippi Petroleum Council
P.O. Box 42
Jackson, Mississippi 39205

+New Jersey Petroleum Council
170 W. State Street
Trenton, New Jersey 08608

+New York State Petroleum Council
551 Fifth Avenue, Room 718
New York, New York 10017

+North Carolina Petroleum Council
P.O. Box 167
Raleigh, North Carolina 27602

+Ohio Petroleum Council
88 E. Broad Street
Columbus, Ohio 43215

+Associated Petroleum Industries of Pennsylvania
P.O. Box 925
Harrisburg, Pennsylvania 17108

+Rhode Island Petroleum Association
134 Francis Street
Providence, Rhode Island 02903

+South Carolina Petroleum Council
716 Palmetto State Life Building
Columbia, South Carolina 29201

+South Dakota Petroleum Council
P.O. Box 669
Pierre, South Dakota 57501

+West Virginia Petroleum Council
Atlas Building, Suite 714
Charleston, West Virginia 25301

+Wisconsin Petroleum Council
25 W. Main Street, Room 703
Madison, Wisconsin 53703

AMERICAN PETROLEUM REFINERS ASSOCIATION
607 Ring Building
1200 18th Street, N.W.
Washington, D.C. 20036
202-331-7081

Concerned primarily with the interests of small, independent refiners. Pub.: Newsletter.

AMERICAN PUBLIC GAS ASSOCIATION
2600 Virginia Avenue, N.W., Suite 1111
Washington, D.C. 20037
202-338-0044

Executive Vice President: Edwin Rothschild (Acting)

National organization of municipal and other local publicly owned gas systems. Represents the public sector of the gas distribution industry before Congress and other federal agencies; provides services to member systems in the fields of engineering, management, and operations. Pub.: Newsletter, bimonthly. Natural Gas Factbook. Special reports.

AMERICAN SOCIETY OF GAS ENGINEERS (ASGE)
P.O. Box 696
Ashland, New Hampshire 03217
603-968-3963

Executive Director: Wayne Schutmaat

Professional organization of gas engineers who work for utilities, appliance manufacturers, etc., and in the field of liquefied natural gas (LNG). Promotes professional improvement; information exchange. Some dozen regional chapters in the U.S. Pub.: TECH Digest, 3-4 times a year. Proceedings of annual conferences.

ARKOMA BASIN INDEPENDENT GAS PRODUCERS ASSOCIATION
c/o R.E. Miller, Miller Drilling Company
P.O. Box 6118
Fort Smith, Arkansas 72901
501-646-3481

ASSOCIATION OF OIL PIPE LINES
1725 K Street, N.W., Suite 1208
Washington, D.C. 20006
202-331-8228

Chairman: V.T. Jones
General Counsel: J.D. Durand
Secretary and Director of Research: G.D. Riley

Legislative and public relations representation of the oil pipeline industry. The Association's 96 member companies transport over 95% of all crude oil and petroleum products moved by pipeline in the U.S. An annual report, Shifts in Petroleum Transportation, is issued.

ASSOCIATION OF OILWELL SERVICING CONTRACTORS (AOSC)
6060 North Central Expressway, Suite 462
Dallas, Texas 75206
214-692-0771

Executive Vice President: John T. Haggin

Trade organization. Training and safety education; compiles statistics; exchange of information. Pub.: AOSC Newsletter, monthly. Oil Servicing, bimonthly.

ASSOCIATION OF PETROLEUM RE-REFINERS (APR)
1730 Pennsylvania Avenue, N.W.
Washington, D.C. 20006
202-785-0500

Executive Director: D.H. Ekedahl

OIL AND GAS - OTHER ORGANIZATIONS

Trade organization of firms that process waste oil for reuse. Supplies information and speakers. Pub.: APR Review, quarterly (for members only). Proceedings of meetings.

BRADFORD DISTRICT PENNSYLVANIA OIL PRODUCERS ASSOCIATION
52 Boylston Street
Bradford, Pennsylvania 16701

CALIFORNIA GAS PRODUCERS ASSOCIATION
626 Wilshire Boulevard
Los Angeles, California 90017
213-626-4821

Provides an information service covering natural gas developments in the West, and particularly in California, covering prices, trends, volumes, and other current data. Pub.: Bulletin, weekly. Special reports.

CALIFORNIA INDEPENDENT PRODUCERS ASSOCIATION
P.O. Box 24006
Los Angeles, California 90024
213-477-3509

Executive Vice President: James H. Woods

CALIFORNIA STRIPPER WELL ASSOCIATION
2975 Wilshire Boulevard
Los Angeles, California 90010
213-383-0763

Executive Vice President: Richard Fenton

State organization of operators of stripper wells (wells, usually in old fields, that produce small quantities of oil).

CITIZENS FOR ENERGY ACTION
1523 L Street, N.W.
Washington, D.C. 20005

Proponent of breaking up the major oil companies into smaller units.

OIL AND GAS - OTHER ORGANIZATIONS

COALITION AGAINST OIL POLLUTION
22651 S.E. Fourth Street
Redmond, Washington 98052
206-392-5969

Concerned with oil transportation and refining issues on Puget Sound.

COMPRESSED GAS ASSOCIATION (CGA)
500 Fifth Avenue
New York, New York 10036
212-354-1130

Managing Director: Edwin A. Olsen

Trade organization of over 200 companies which produce and distribute atmospheric, chemical, and natural gases in gaseous, liquid, or solid form. Coordinates technical activities in the industry. Concerns include liquefied petroleum gas (LPG) and liquefied natural gas (LNG). Submits recommendations to governmental agencies to improve safety standards and methods of handling, transportation, and storage of compressed gases. Pub.: Handbook of Compressed Gases (1966). Numerous technical reports; list available.

CRYOGENIC SOCIETY OF AMERICA, INC. (CSA)
3 Rockingham Road, West
Rancho Palos Verdes, California 90274
213-832-4848

Managing Director: Robert W. Vance

Technical society of persons concerned with the practical applications of very low temperature techniques, equipment, and materials. A major interest has been liquefied natural gas (LNG), the subject of CSA annual meetings in 1975 (CRYO '75) and 1976 (CRYO '76). Regional chapters. Pub.: Applications of Cryogenic Technology, annual. Proceedings of the annual conference. Newsletter, bi-monthly.

DESK AND DERRICK CLUBS OF NORTH AMERICA
c/o Lurline Andrus, Secretary
American Petroleum Institute
1801 K Street, N.W.
Washington, D.C. 20006

"World's oldest energy organization for women," established in 1951. Members are women working in petroleum and allied industries, from company presidents to "lady roustabouts." Pub.: Oil and Gal Journal.

DOMESTIC WILDCATTERS ASSOCIATION
c/o Allan C. King, GoldKing Production Co.
900 First National Bank Building
Houston, Texas 77002
713-658-8286

EAST TEXAS PRODUCERS AND ROYALTY OWNERS ASSOCIATION
c/o O.W. Potter, President
P.O. Box 1578
Kilgore, Texas 75662
214-984-4464

EASTERN KANSAS OIL AND GAS ASSOCIATION, INC.
P.O. Box 340
Chanute, Kansas 66720
316-431-1020

Secretary: Dwayne Dalton

EASTERN OKLAHOMA OIL PRODUCERS AND ROYALTY OWNERS ASSOCIATION
c/o Joe A. Huitt, President
612-A Beacon Building
Tulsa, Oklahoma 74103
918-587-3080

FLORIDA NATURAL GAS ASSOCIATION
815 Briercliff Drive
Orlando, Florida 32806
305-898-4558

Executive Director: George A. Cunningham

OIL AND GAS - OTHER ORGANIZATIONS

GAS APPLIANCE MANUFACTURERS ASSOCIATION (GAMA)
1901 N. Fort Myer Drive
Arlington, Virginia 22209
703-525-9565

President: Harry A. Paynter

National trade association of some 275 companies producting over 90% of the residential, commercial, and industrial gas appliances and equipment made in the U.S. Legislative action; liaison with consumers' groups; exchange of information; product improvement. Pub.: Statistical Highlights, monthly. Patent Digest, monthly.

GAS PROCESSORS ASSOCIATION
1812 First Place
Tulsa, Oklahoma 74103
918-582-5112

Executive Director: R.E. Cannon

Trade association concerned with specifications and test methods for liquid petroleum gas and gas liquids. Formerly: Natural Gas Processors Association. Pub.: Annual conference proceedings; numerous technical standards and reports.

GET OIL OUT! INC. (GOO)
P.O. Box 1513
Santa Barbara, California 93102
805-965-1519

Works to get offshore oil operations out of the Santa Barbara Channel, and to limit further offshore oil development until technological advances make it less damaging to the environment. Pub.: GOO Newsletter, monthly.

GET OIL OUT - TWO (GOO 2)
P.O. Box 1709
San Pedro, California 90733

Has similar aims to GOO (above), but is focused on the marine environment off Los Angeles County.

ILLINOIS OIL AND GAS ASSOCIATION (IOGA)
P.O. Box 788
Mt. Vernon, Illinois 62864
618-242-2857

Executive Secretary: Charles J. Pardee

Pub.: IOGA Bulletin, every 4-6 weeks. Tri-State Oil Men's Directory, biennial.

INDEPENDENT OIL AND GAS ASSOCIATION OF WEST VIRGINIA
Kanawha Valley Building
Charleston, West Virginia 25301
304-344-9867

President: Edward A. Broome

INDEPENDENT OIL COMPOUNDERS ASSOCIATION
4919 [illegible]h Street, N.W.
Fort [illegible]auderdale, Florida 33319

President: H.P. Bagley, II

INDEPENDENT OIL PRODUCERS' AGENCY
4647 Long Beach Boulevard, Suite D-5
Long Beach, California 90805
213-595-4419

Executive Vice President: James S. Gilstrap

Markets crude oil production for its membership.

INDEPENDENT OIL PRODUCERS TRI-STATE, INC.
116 Mulberry Street
Evansville, Indiana 47713

President: James K. Vincent

INDEPENDENT PETROLEUM ASSOCIATION OF AMERICA
1101 16th Street, N.W.
Washington, D.C. 20036
202-466-8240

Executive Vice President: Lloyd N. Unsell

Major national organization representing domestic oil and natural gas producers other than the major oil and gas companies. Committees: Cost Study; Finance; Natural Gas; Oil

OIL AND GAS - OTHER ORGANIZATIONS

Recovery; Public Lands; Supply and Demand; Tax; Speakers Bureau; Economic Policy; EPA. Pub.: Petroleum Independent, bimonthly magazine. Executive Report, monthly newsletter. Statistical and committee reports. Pamphlets, e.g., "America's Energy Dilemma: Facts vs. Fallacies;" "Your Job Depends on Energy."

INDEPENDENT PETROLEUM ASSOCIATION OF MOUNTAIN STATES
518 17th Street, Suite 1214
Denver, Colorado 80202
303-623-0987

Executive Director: Frank R. Lee

INDEPENDENT REFINERS ASSOCIATION OF AMERICA (IRAA)
1801 K Street, N.W., Suite 1101
Washington, D.C. 20006
202-466-2340

Executive Secretary: Edwin J. Dryer

Legislative action; public relations. Pub.: IRAA Bulletin, irregular.

INDEPENDENT REFINERS ASSOCIATION OF CALIFORNIA, INC.
900 Wilshire Boulevard, Suite 736
Los Angeles, California 90017

Vice President and General Counsel: J.A. Helyer

INDIANA GAS ASSOCIATION
320 N. Meridian Street, Room 608
Indianapolis, Indiana 46204
317-639-[illegible]

President: E.M. Shorb

Organization of gas utilities.

INDIANA OIL AND GAS ASSOCIATION
c/o C.A. Robinson, President
Robinson Engineering
4920 Bellemeade Avenue
Evansville, Indiana 47715
812-477-1575

INSTITUTE OF GAS TECHNOLOGY (IGT)
3424 S. State Street
Chicago, Illinois 60616
312-567-3650

President: Henry R. Linden

Independent, nonprofit energy research and educational organization founded in 1941 and affiliated with Illinois Institute of Technology. Staff of over 600 specializes in the development of improved and new energy technology, the economic evaluation of alternative technologies, educational programs for present and future industry and government employees, and the dissemination of information on energy technology and economics to industry, government, and the public. Programs embrace virtually all fields of fossil and nonfossil energy, but with a traditional emphasis on gas.

Industrial Education Program includes courses in gas distribution, economics of gas supply, coal gasification, liquefied natural gas (LNG) base-load operations and peakshaving operations, prevention of fires and explosions in the hydrocarbon industries, and other areas.

Pub.: Gas Abstracts, monthly. International Gas Technology Highlights, biweekly. Gas Scope, quarterly. Staff papers and reports. Catalog available.

INTERNATIONAL ASSOCIATION OF DRILLING CONTRACTORS
7400 Harwin, Suite 305
Houston, Texas 77036
713-784-4090

Executive Vice President: Ed McGhee

INTERNATIONAL COOPERATIVE PETROLEUM ASSOCIATION
28 W. 44th Street, Room 1107
New York, New York 10036
212-354-0870

General Manager: Wayne M. McCann

Promotes cooperation among 42 national petroleum organizations and represents their interests in the International Cooperative Alliance.

OIL AND GAS - OTHER ORGANIZATIONS

INTERNATIONAL OIL SCOUTS ASSOCIATION
326 E. Fifth Street
Austin, Texas 78767
512-472-3357

Administrative Vice President: Jack L. Wiggins

A federation of oil district scouting organizations in the U.S. and Canada. Publishes International Oil and Gas Development, a yearbook covering exploratory wells and dry holes, new discoveries, and other developments during the year; a Directory of Active Oil Scouts; a monthly Newsletter; and annual references on the Texas petroleum industry.

INTERSTATE NATURAL GAS ASSOCIATION OF AMERICA (INGAA)
1660 L Street, N.W., Suite 601
Washington, D.C. 20036
202-293-5770

President: Walter E. Rogers

Represents the interests of interstate natural gas transmission companies. Pub.: Washington Report to Directors and Members, weekly.

KANSAS INDEPENDENT OIL AND GAS ASSOCIATION
940 Fourth Financial Center
Wichita, Kansas 67202
316-263-7297

Executive Vice President: Donald P. Schnacke

KENTUCKY GAS ASSOCIATION
c/o Carollton Gas System
Carollton, Kentucky 41008
502-732-4221

Secretary: James D. Ramsey

Organization of gas utilities.

KENTUCKY OIL AND GAS ASSOCIATION
218 W. Eighth Street
Owensboro, Kentucky 42301
502-683-1886

Executive Secretary: Wanda B. Tichenor

THE LAND AND ROYALTY OWNERS OF LOUISIANA (LAROLA)
536 Whitney Bank Building
New Orleans, Louisiana 70130
504-523-3701

Executive Director: John J. Pavelle, Jr.

Conservation and promotion of the oil and gas industry in Louisiana. Pub.: LAROLA Legislative Bulletin, weekly during sessions of the state legislature. LAROLA Announced Hearings and Notes, monthly.

LIAISON COMMITTEE OF COOPERATING OIL AND GAS ASSOCIATIONS
c/o Julian Martin, Secretary-Treasurer
TIPRO
1770 Austin National Bank Tower
Austin, Texas 78701
512-477-4452

Chairman: R.H. Prewitt

Composed of organizations of independent oil and gas producers; coordinates treatment of issues affecting the independents. Pub.: Liaison Newsletter, 3-4 times a year.

LOUISIANA ASSOCIATION OF INDEPENDENT PRODUCERS AND ROYALTY OWNERS
P.O. Box 65197
Baton Rouge, Louisiana 70896
504-926-8744

Executive Vice President: Thomas M. Barton

MARYLAND-DISTRICT OF COLUMBIA UTILITIES ASSOCIATION
c/o Potomac Electric Power Co.
1900 Pennsylvania Avenue, N.W.
Washington, D.C. 20006
202-872-3490

Secretary: E. Eugene Otto

Includes gas utilities.

MICHIGAN GAS ASSOCIATION
1 Woodward Avenue
Detroit, Michigan 48226
313-965-2430

Secretary-Treasurer: Robert L. Gage

OIL AND GAS - OTHER ORGANIZATIONS

Organization of gas utilities.

MICHIGAN OIL AND GAS ASSOCIATION
902 Michigan National Tower
Lansing, Michigan 48910
517-489-1092

Executive Vice President: Frank L. Mortl

Pub.: Oil and Gas News, weekly.

MID-CONTINENT OIL AND GAS ASSOCIATION
1800 K Street, N.W., Suite 620
Washington, D.C. 20006
202-785-3515

President: Wayne Gibbons

Maintains Kansas-Oklahoma, Louisiana-Arkansas, Mississippi-Alabama, and Texas Divisions.

MIDWEST GAS ASSOCIATION
7300 France Avenue, S.
Minneapolis, Minnesota 55435
612-920-8464

President: William T. Harper

Organization of gas utilities.

NATIONAL CONGRESS OF PETROLEUM RETAILERS
2021 K Street, N.W., Suite 301
Washington, D.C. 20006
202-293-6868

Executive Director: Charles Binsted

Lobbies at the federal level on behalf of the interests of independent gasoline dealers. Pub.: Actiongram, biweekly (for members only).

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)
470 Atlantic Avenue
Boston, Massacusetts 02110

Among its activities, issues fire protection standards for oil and gas products, including NFPA No. 58, Storage and Handling of Liquefied Petroleum Gases; and No. 59A, Production, Storage and Handling of Liquefied Natural Gas (LNG).

NATIONAL LP-GAS ASSOCIATION (NLPGA)
1301 W. 22nd Street
Oak Brook, Illinois 60521
312-372-5484

Executive Vice President and General Manager: J.D. Capps

A vertical trade association for the liquefied petroleum gas industry. Represents producers and wholesale jobbers of LP-gas, retail marketers, LP-gas appliance and equipment manufacturers, tank and cylinder fabricators, appliance and equipment distributors, transporters, and others. Committees: Education; Public Affairs; Public Information; Research and Development; Safety; Market Promotion; Statistical and Market Research; Technology and Standards; Traffic. Pub.: NLPGA Times, quarterly. NLPGA Newsletter, biweekly. LP-Gas Industry Market Facts, annual. Proceedings and committee reports.

NATIONAL OCEAN INDUSTRIES ASSOCIATION (NOIA)
1100 17th Street, N.W., Suite 410
Washington, D.C. 20036
202-785-5116

President: Charles D. Matthews

Promotes the interests of offshore and ocean-oriented industries, including offshore production of oil and gas. Legislative action; public relations.

NATIONAL OIL FUEL INSTITUTE
1750 New York Avenue, N.W.
Washington, D.C. 20006
202-331-1198

Trade organization of oil-heating equipment manufacturers and distributors. Research; promotes improved standards; market development.

NATIONAL OIL JOBBERS COUNCIL (NOJC)
1707 H Street, N.W.
Washington, D.C. 20006
202-331-1198

Executive Vice President: Douglas B. Mitchell

Represents the interests of the wholesale petroleum marketing industry. Legislative action; information exchange; training. Pub. National Oil Jobbers Council Magazine, monthly.

NATIONAL PETROLEUM REFINERS ASSOCIATION
1725 DeSales Street, N.W., Suite 802
Washington, D.C. 20036
212-638-3722

President: Donald C. O'Hara

Promotes technical and marketing aspects of the oil refining industry. Committees: Petrochemical; Manufacturing; Fuels and Lubricants; Computer Applications. Pub.: Oil Import Digest; Emergency Petroleum Digest (for members only).

NATIONAL STRIPPER WELL ASSOCIATION
5902 S. 68th E. Avenue
Tulsa, Oklahoma 74145
918-627-7880

Executive Vice President: Frank B. Taylor

Organization of operators of stripper wells (wells, usually in older fields, which produce small quantities of oil). Pub.: National Stripper Well Survey, annual.

NATURAL GAS PROCESSORS ASSOCIATION
See: Gas Processors Association

NEW ENGLAND GAS ASSOCIATION
1427 Statler Office Building
Boston, Massachusetts 02116
617-482-4277

President: David W. Sampson

Organization of gas utilities.

NEW JERSEY UTILITIES ASSOCIATION
80 Park Place
Newark, New Jersey 07101

Includes gas utilities.

OIL AND GAS - OTHER ORGANIZATIONS

NEW MEXICO OIL AND GAS ASSOCIATION
P.O. Box 1864
Santa Fe, New Mexico 87501
505-982-2568

Executive Vice President: Peter Hanagan

NEW YORK GAS GROUP (NYGAS)
500 Fifth Avenue, Room 4120
New York, New York 10036
212-354-4790

Executive Director: Harold S. Walker, Jr.

Organization of gas utilities in New York State. Pub.: New York Gas Report, annual.

NEW YORK STATE OIL PRODUCERS ASSOCIATION
P.O. Box 265
Bolivar, New York 14745

Secretary-Treasurer: William F. Hogan

NORTH AMERICAN GASOLINE TAX CONFERENCE
444 N. Capitol Street
Washington, D.C. 20001
202-624-5890

President: Curtis B. Modling
Executive Secretary: Leon Rothenberg

An organization of public officials concerned with improving the effectiveness of motor fuel tax administration. A major interest in recent years has been the reduction in gasoline tax revenues that results from lower consumption of gasoline due to shortages and conservation measures. Pub.: Tax Administrators News, monthly. Special bulletins.

NORTH DAKOTA INDEPENDENT OILMEN AND LANDOWNERS ASSOCIATION
P.O. Box 697
Bismarck, North Dakota 58501

NORTH DAKOTA PETROLEUM COUNCIL
P.O. Box 1395
Bismarck, North Dakota 58501
701-223-6380

NORTH TEXAS OIL AND GAS ASSOCIATION
1106 City National Building
Wichita Falls, Texas 76301
817-723-4131

Executive Vice President: Lee Grace

OIL, CHEMICAL, AND ATOMIC WORKERS INTERNATIONAL UNION
Description in Chapter 1; see index.

OHIO GAS ASSOCIATION
c/o Cincinnati Gas and Electric Co.
P.O. Box 960
Cincinnati, Ohio 45201
513-381-2000

Secretary: Robert B. Grote

Organization of gas utilities.

OHIO OIL AND GAS ASSOCIATION
P.O. Box 1008
Newark, Ohio 43055
614-344-9448

Executive Vice President: Kirk Jordan

OIL FIELD HAULERS ASSOCIATION
P.O. Box 488
Austin, Texas 78767

President: James R. Boyd

OKLAHOMA INDEPENDENT PETROLEUM ASSOCIATION
212 Franklin Building
Tulsa, Oklahoma 74103
918-584-1233

Executive Manager: Hal T. Gibson

PACIFIC COAST GAS ASSOCIATION
1650 S. Amphlett Boulevard
San Mateo, California 94402
415-573-1893

President: Wendell J. Satre

Organization of gas utilities.

OIL AND GAS - OTHER ORGANIZATIONS

PANHANDLE PRODUCERS AND ROYALTY OWNERS ASSOCIATION
P.O. Box 2226
Amarillo, Texas 79105
806-373-6371

Executive Vice President: B.D. King

PENNSYLVANIA GAS ASSOCIATION
State Street Building
Harrisburg, Pennsylvania 17101
717-233-5814

President: Richard L. Bunn

Organization of gas utilities.

PENNSYLVANIA GRADE CRUDE OIL ASSOCIATION
52 Boylston Street
Bradford, Pennsylvania 16701
814-362-2266

Executive Manager: J. Paul Jones

PENNSYLVANIA OIL, GAS AND MINERALS ASSOCIATION
c/o E. James Bryner, President
P.O. Drawer D
Custer City, Pennsylvania 16725
814-368-6222

PERMIAN BASIN PETROLEUM ASSOCIATION
P.O. Box 132
Midland, Texas 79701
915-684-6345

Executive Vice President: James E. Thompson

Organization of independent oil operators in the Permian Basin of Texas and New Mexico.

PETROLEUM EQUIPMENT INSTITUTE (PEI)
P.O. Box 2380
Tulsa, Oklahoma 74101
918-743-9941

Executive Vice President: Howard Upton

Provides information on energy issues to member firms that manufacture, distribute, and install equipment used for petroleum marketing. Pub.: Tulsa Letter, 3 times a month.

OIL AND GAS - OTHER ORGANIZATIONS

PETROLEUM EQUIPMENT SUPPLIERS ASSOCIATION
1703 First City National Bank Building
Houston, Texas 77002
713-223-4909

Director: William J. Sallans

Association of firms that manufacture petroleum equipment, operate supply stores, and service oil companies.

PETROLEUM INDUSTRY RESEARCH FOUNDATION
122 E. 42nd Street
New York, New York 10017
212-867-0052

Executive Director: John H. Lichtblau

Economic research on the petroleum industry. Pub.: Reports.

PIPE LINE CONTRACTORS ASSOCIATION
2800 Republic National Bank Building
Dallas, Texas 75201
214-741-2111

Executive Director: Richard A. Gump

A trade association of individuals and firms engaged in the construction of cross-country oil, gas, and products pipe lines in the U.S. and abroad. Pub.: Weekly Newsletter. Safety Newsletter, monthly.

ROCKY MOUNTAIN GAS ASSOCIATION
c/o Public Service Co. of Colorado
550 15th Street
Denver, Colorado 80202
303-297-7300

Secretary-Treasurer: Kenneth A. Giese

Organization of gas utilities.

ROCKY MOUNTAIN OIL AND GAS ASSOCIATION
345 Petroleum Club Building
Denver, Colorado 80202
303-534-8261

General Manager: Jack Swenson

+Washington Office, Rocky Mountain Oil and Gas Association
315 Madison Building
1155 15th Street, N.W.
Washington, D.C. 20005
202-452-1455

Washington Representative: Walter Mote

SOCIETY OF EXPLORATION GEOPHYSICISTS (SEG)
P.O. Box 3098
Tulsa, Oklahoma 74101

Executive Director: Howard Breck

Professional organization concerned with geophysics as it applies to exploring for oil and other minerals. Pub.: Geophysics, bimonthly journal. Index of Wells Shot for Velocity, annual. Yearbook. Technical books and reports; list available.

SOCIETY OF INDEPENDENT GASOLINE MARKETERS OF AMERICA (SIGMA)
230 S. Bermiston Avenue, Room 1011
Clayton, Missouri 63105
314-721-6723

Executive Director: Robert R. Cavin

National organization of private brand marketers. Among SIGMA's some 200 members are companies with such brand names as Crystal Flash (Indiana), Budget Brands (New York State), Apollo (California), Little Scotty (Virginia), and Kickapoo (Wisconsin). Pub.: News and Views, 10 times a year.

SOCIETY OF PETROLEUM ENGINEERS OF AIME (SPE-AIME)
6200 North Central Expressway
Dallas, Texas 75206
214-361-6601

Executive Director: David L. Riley

A constituent society of the American Institute of Mining, Metallurgical, and Petroleum Engineers. SPE-AIME's 27,500 members represent engineers, research scientists, and petroleum executives throughout the world. Technical Information Committees of local chapters offer technical assistance to local

OIL AND GAS - OTHER ORGANIZATIONS

governmental and civic groups, to the media, and to public officials on matters relating to the exploration, drilling, and production of oil and gas. Pub.: Journal of Petroleum Technology, monthly. Society of Petroleum Engineers Journal, bimonthly. SPE-AIME Transactions, annual. Technical reports.

SOCIETY OF PROFESSIONAL WELL LOG ANALYSTS, INC. (SPWLA)
806 Main Street, Suite B-1
Houston, Texas 77002
713-223-9309

Executive Secretary: P.A. Wichmann

Members are engineers and geologists engaged in evaluation of sedimentary formations in bore holes drilled to explore for presence of oil, natural gas, and other minerals. Testing; research; information exchange. Local chapters in the U.S. and abroad. Pub.: The Log Analyst, bimonthly. SPWLA Logging Symposium Transactions, annual. Glossary of Terms and Expressions Used in Well Logging.

SOUTH DAKOTA INDEPENDENT OIL MEN'S ASSOCIATION
101 N. Phillips, Room 404
Sioux Falls, South Dakota 57102
605-336-0560

SOUTHEASTERN GAS ASSOCIATION
P.O. Box 5125
Raleigh, North Carolina 27607
919-737-2261

Secretary-Treasurer: David B. Stansel

Organization of gas utilities.

SOUTHERN GAS ASSOCIATION
4230 LBJ Freeway, Suite 414
Dallas, Texas 75234
214-387-8505

Managing Director: Roger H. Reid

SOUTHWEST KANSAS ROYALTY OWNERS ASSOCIATION
P.O. Box 250
Hugoton, Kansas 67951
316-544-4333

Executive Secretary: B.E. Nordling

Organized to protect the rights of landowners in the Hugoton, Kansas, gas field. Pub.: Bulletin, quarterly.

TENNESSEE GAS ASSOCIATION
c/o Knoxville Utilities Board
P.O. Box 1951
Knoxville, Tennessee 37901
615-524-2911

President: James F. Carmon

Organization of gas utilities.

TENNESSEE OIL AND GAS ASSOCIATION
c/o Richard S. Incandela, President
Tenexco, Inc.
P.O. Box 56100
Chicago, Illinois 60656
312-771-7870

TENNESSEE OIL MEN'S ASSOCIATION
P.O. Box 1256
Nashville, Tennessee 37202
615-242-4377

President: W.D. Pettway, Jr.

TEXAS INDEPENDENT PRODUCERS AND ROYALTY OWNERS ASSOCIATION
1770 Austin National Bank Tower
Austin, Texas 78701
512-477-4452

Executive Vice President: W. Earl Turner

TEXAS PETROLEUM RESEARCH COMMITTEE
Texas A&M University
College Station, Texas 77843
713-846-9614

Director: Claude R. Hocott

Conducts research directed toward increasing the recovery of petroleum from Texas fields. Some 200 technical reports have been issued.

OIL AND GAS - OTHER ORGANIZATIONS

UNIVERSITY OF OKLAHOMA
Petroleum Data System
1808 Newton Drive, Room 116
Norman, Oklahoma 73019
405-325-7251

Director: Jerlene A. Bright

Part of a computerized energy information data base at the University's Information Systems Programs, the Petroleum Data System has some 80,000 records of oil and gas fields and reservoirs in the U.S. and Canada. Information retrieval services. Formerly: Oil Information Center.

WEST CENTRAL TEXAS OIL AND GAS ASSOCIATION
P.O. Box 2332
Abilene, Texas 79604
915-677-2469

Executive Vice President: Glen Michel

WEST VIRGINIA OIL AND NATURAL GAS ASSOCIATION
530 Commerce Square
Charleston, West Virginia 25301
314-343-1609

General Counsel: Rex Burford

WESTERN GAS PROCESSORS AND OIL REFINERS ASSOCIATION
3605 Long Beach Boulevard, Suite 220
Long Beach, California 90807
213-426-3904

Managing Director: Ray Fletcher

An educational and technical clearinghouse for the standardization of testing procedures and the improvement of operating practices in the light hydrocarbon production, manufacturing, and utilization branches of the western petroleum and affiliated industries. Pub.: Natural Gasoline and Cycling Plant Operations, monthly. Standards; reports of investigations.

WESTERN OIL AND GAS ASSOCIATION (WOGA)
609 S. Grand Avenue
Los Angeles, California 90017
213-624-6386

Vice President and General Manager:
Arthur O. Spaulding
Assistant General Manager: Robert Harrison
Manager, Public Affairs: Richard L. Manning

WOGA is a major regional trade association for the petroleum industry in the states of Alaska, Arizona, California, Hawaii, Nevada, Oregon, and Washington. (Activities respecting Alaska are carried on by the Alaska Oil and Gas Association, described above, which is a branch of WOGA.) Its membership represents about 90% of the exploration, production, refining, and wholesale marketing of oil and gas in the seven states.

Departments include: Community Relations; Land and Water (including Committees for Environmental Conservation-Water; Exploration; Geothermal; Marine; Offshore Operations; and Public Lands); Public Affairs; Special Services (including Committees for Environmental Conservation-Air; Legal; and Refining); Tax and Statistical (including Committees for Alaska; Economists; Excise Tax; Income Tax; and Property Tax); Technical Services (including Committees on Fire and Safety; Highway Transportation; Pipelines; and Production Ordinances); and Federal Affairs.

Pub.: Week-in-Review, weekly. Energygram, semimonthly.

+Northwest Office, Western Oil and Gas Association
500 Wall Street
Seattle, Washington 98121
206-682-9255

+Washington, D.C. Office, Western Oil and Gas Association
1801 K Street, N.W., Suite 793
Washington, D.C. 20006

WISCONSIN PETROLEUM ASSOCIATION
202 N. Midvale Boulevard
Madison, Wisconsin 53705
608-231-1331

Managing Director: Robert P. Fekler

WISCONSIN UTILITIES ASSOCIATION
P.O. Box 7588
Milwaukee, Wisconsin 53207
414-482-0600

Managing Director: Dale F. Hansman

Includes gas utilities.

MAJOR OIL COMPANIES

Seven major multinational oil companies dominate the oil business from exploration through retail distribution. For a description of their ownership, interlocks with other corporations, and operations, see James Ridgeway's book, The Last Play (Dutton, 1973). The 7 companies are, in order of size:

EXXON CORPORATION
1251 Avenue of the Americas
New York, New York 10020
212-974-3000

Formerly: Standard Oil Company (New Jersey).

ROYAL DUTCH/SHELL GROUP:

The Royal Dutch/Shell Group of companies grew out of a merger in 1907 of the interests of the Royal Dutch Petroleum Company and The "Shell" Transport and Trading Company, Ltd., of the United Kingdom; while they retain their separate identities, the two firms jointly control the family of companies known as Royal Dutch/Shell, which includes Shell Oil Company in the U.S.A.

+ROYAL DUTCH PETROLEUM COMPANY
20 Carel van Bylandtlaan
The Hague, The Netherlands

+THE "SHELL" TRANSPORT AND TRADING COMPANY, LTD.
Shell Center
London, S.E. 1, England

+SHELL OIL COMPANY
P.O. Box 2463
Houston, Texas 77001
713-220-6161

MOBIL OIL CORPORATION
150 E. 42nd Street
New York, New York 10017
212-883-4242

TEXACO, INC.
135 E. 42nd Street
New York, New York 10017
212-953-6000

GULF OIL CORPORATION
Gulf Building
Pittsburgh, Pennsylvania 15230
412-391-2400

BRITISH PETROLEUM COMPANY, LTD.
Brittanic House
Moor Lane
London, E.C. 2, England

BP's major U.S. subsidiary is:

+BP OIL CORPORATION
620 Fifth Avenue
New York, New York 10020
212-541-8700 (Toll-free: 800-631-1900)

STANDARD OIL COMPANY OF CALIFORNIA
225 Bush Street
San Francisco, California 94120
415-894-7700

MAJOR GAS UTILITIES

There are two basic kinds of retail natural gas systems in the United States: privately owned (or "investor-owned") and local publicly owned (or "municipal").

LOCAL PUBLICLY OWNED SYSTEMS:

The following appear to be the four largest municipal gas utilities in the U.S. (in alphabetical order):

CITIZENS GAS & COKE UTILITY
2020 N. Meridian Street
Indianapolis, Indiana 46202

CITY OF LONG BEACH GAS DEPARTMENT
215 W. Broadway
Long Beach, California 90802

MEMPHIS LIGHT, GAS & WATER DIVISION
P.O. Box 388
Memphis, Tennessee 38101

PHILADELPHIA GAS WORKS DIVISION OF THE U.G.I. CORPORATION
1401 Arch Street
Philadelphia, Pennsylvania 19102

PRIVATELY OWNED SYSTEMS:

According to 1975 figures, the following are the five largest privately owned natural gas utilities in the U.S. (in descending order of number of gas customers):

SOUTHERN CALIFORNIA GAS COMPANY
(Pacific Lighting Corporation)
810 S. Flower Street
Los Angeles, California 90017

PACIFIC GAS & ELECTRIC COMPANY
77 Beale Street
San Francisco, California 94106

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
P.O. Box 570
Newark, New Jersey 07101

NORTHERN ILLINOIS GAS COMPANY
P.O. Box 190
Aurora, Illinois 60507
312-355-8000

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
4 Irving Place
New York, New York 10003

3. Coal

Federal Agencies, page 98
State Agencies, page 100
Other Organizations, page 103
Major Coal Producers, page 109

Coal now provides about 17% of all energy consumed in the United States and probably will contribute a considerably larger share in the future. Included in this chapter are organizations concerned with conversion of coal into liquid fuel and synthetic gas, as well as coal in its solid state. The principal trade group is the National Coal Association, page 106.

COAL - FEDERAL AGENCIES

FEDERAL AGENCIES

DEPARTMENT OF ENERGY
Washington, D.C. 20545
202-252-5000 (Information)

Secretary of Energy: James R. Schlesinger
Administrator, Economic Regulatory Administration: David J. Bardin
Assistant Secretary, Resource Applications: George S. McIsaac (Designate)
Assistant Secretary, Energy Technology: Robert D. Thorne (Acting)
Director, Office of Fossil Energy Programs: G.W. Fumich (Acting)

For a general description of the Department of Energy and its functions, see Chapter 1. Coal has a very important role in the federal government's National Energy Plan issued in April 1977, which states that "coal constitutes 90 percent of U.S. conventional energy reserves, but currently supplies only 18 percent of energy consumption. It is generally acknowledged that the coal industry can expand production significantly, and currently has a small amount of excess capacity... Expansion of U.S. coal production and use is essential if the nation is to maintain economic growth, reduce oil imports, and have adequate supplies of natural gas for residential use. Accordingly, to stimulate an increase in demand for coal and other alternatives to gas and oil, the Plan proposes a coal conversion program consisting of tax and regulatory measures." The plan calls for "uniform national strip mine legislation that would fully protect the nation's land while permitting the production of coal that is needed to meet national energy objectives," recognizes other environmental problems such as air pollution from coal-fired electric power stations, and makes a "comprehensive coal research and development program" a "high priority."

The new Department of Energy is heavily involved in coal matters. The Office of the Assistant Secretary for Resource Applications is responsible for developing and implementing voluntary and incentive programs to increase domestic supplies of coal, and manages Department of Energy aspects of coal leasing procedures on federal lands. It also administers a Coal Loan Guarantee Program formerly handled by the Federal Energy Administration.

The Office of the Assistant Secretary for Energy Technology is responsible for coal research, development, and demonstration programs formerly administered by the Energy Research and Development Administration, and involving coal liquefaction, gasification, advanced power systems, direct combustion, magnetohydrodynamics, in-situ coal gasification, and supporting demonstration plants and technology; and the Department of the Interior, involving coal preparation and production of solid fuels. It is responsible for the Energy Research Centers listed below. The Office of Fossil Energy Programs is the main unit concerned with coal under this assistant secretary.

The Economic Regulatory Administration within the Department of Energy has responsibility for regulatory programs for converting oil- and gas-fired utility and major industrial facilities to coal. These functions were formerly handled by the Federal Energy Administration.

Department of Energy publications, described in Chapter 1, include such titles as: Fossil Energy Update, monthly. Coal Processing: Gasification, Liquefaction, Desulfurization.

Under the Surface Mining Control and Reclamation Act of 1977, ten university coal laboratories are to be established in states with "abundant coal reserves." The selection process began in early 1978.

The following DOE Energy Research Centers have coal projects:

+Bartlesville Energy Research Center
P.O. Box 1398
Bartlesville, Oklahoma 74003
918-336-2400

+Grand Forks Energy Research Center
P.O. Box 8213
Grand Forks, North Dakota 58201
701-775-4207

Program is focused on coal utilization, with a special emphasis on the coals of

COAL - FEDERAL AGENCIES

the western U.S. Projects include, for example, improving boiler efficiency, drying and transport of low-grade coals, abatement of power plant pollution, and reclamation of coal mine spoil banks.

+Morgantown Energy Research Center
P.O. Box 880
Morgantown, West Virginia 26505
304-599-7764

Investigates synthetic fuels from coal, the physics and chemistry of fossil fuels, and air pollution abatement.

+Pittsburgh Energy Research Center
4800 Forbes Avenue
Pittsburgh, Pennsylvania 15213
412-892-2400

Conducts applied research on coal liquefaction, gasification, combustion, and carbonization.

DEPARTMENT OF THE INTERIOR
Washington, D.C. 20240

Secretary of the Interior: Cecil D. Andrus
Assistant Secretary, Energy and Minerals: Joan Davenport

+U.S. GEOLOGICAL SURVEY (USGS)
National Center
Reston, Virginia 22092
703-860-7444 (Information)

Director: H. William Menard
Information Officer: Frank H. Forrester
Chief, Conservation Division: Russell G. Wayland (Acting)
Mining Operations Branch Chief: Andrew V. Bailey
Chief Geologist, Geologic Division: Dallas L. Peck
Coal Resources Branch Chief: Gordon Wood

For a general description of USGS, see Chapter 1. In the field of coal, the agency conducts geologic surveys and related studies to develop information needed to appraise and use coal resources optimally. It classifies federal lands as to their value for leasable materials, including coal. It also supervises coal mining operations on federal and Indian lands to insure maximum utilization and prevent waste, to limit environmental damage and pollution, and to protect the public health and safety.

USGS is also responsible for assuring that the public receives a fair market return for the disposition of coal produced on federal lands, and it collects royalties from such production.

Pub.: Results of investigations are issued as U.S. Geological Survey Professional Papers, Bulletins, Circulars, and Map Series, in scientific and technical publications, and in publications of cooperating state agencies. A monthly list of new publications is issued.

Regional Offices:

USGS maintains regional offices in Denver (Denver Federal Center, Denver, Colorado 80225, 303-234-4630), in the San Francisco area (345 Middlefield Road, Menlo Park, California 94025, 415-323-2811), and at the Reston, Virginia headquarters (703-860-7414).

+BUREAU OF MINES
Coal research and information activities of the Bureau of Mines have been transferred to the new Department of Energy (see above).

+OFFICE OF COAL RESEARCH
The functions of the Office of Coal Research were transferred to the new Department of Energy (see above).

+BUREAU OF LAND MANAGEMENT
See Chapter 2, Oil and Gas, for a full description of BLM's responsibilities, which include leasing coal rights on federal lands.

+MINING ENFORCEMENT AND SAFETY ADMINISTRATION (MESA)
4015 Wilson Boulevard
Arlington, Virginia 22203
703-235-1452

Administrator: Robert E. Barrett

Conducts programs to control health hazards and reduce fatalities and injuries in the mineral industries through inspection, investigation, and enforcement; assessment of penalties for violations; technical support; and education, training, and safety motivation.

STATE AGENCIES

Only 22 states produce significant amounts of coal. The state agencies responsible for inspection, regulation, and/or data collection are as follows:

ALABAMA

GEOLOGICAL SURVEY OF ALABAMA
P.O. Drawer O
University, Alabama 35486
205-349-2852

Acting State Geologist: Thomas J. Joiner

ARKANSAS

ARKANSAS GEOLOGICAL COMMISSION
3815 W. Roosevelt Road
Little Rock, Arkansas 72204
501-371-1488

State Geologist: Norman F. Williams

ARKANSAS DEPARTMENT OF LABOR
Mine Inspection Division
250 Central Mall
Fort Smith, Arkansas 72901
501-783-7618

Mine Inspector: Harl Griffith

COLORADO

COLORADO GEOLOGICAL SURVEY
1313 Sherman Street, Room 715
Denver, Colorado 80203
303-892-2611

Director and State Geologist: John W. Rold

COLORADO DIVISION OF MINES
1313 Sherman Street
Denver, Colorado 80203
303-892-3401

Director: Norman R. Blake

ILLINOIS

ILLINOIS STATE GEOLOGICAL SURVEY
121 Natural Resources Building
Urbana, Illinois 61801
217-344-1481

Chief: Jack A. Simon

ILLINOIS DEPARTMENT OF MINES AND MINERALS
704 State Office Building
400 S. Spring Street
Springfield, Illinois 62706
217-782-6791

Director: Russell T. Dawe

INDIANA

INDIANA GEOLOGICAL SURVEY
611 N. Walnut Grove
Bloomington, Indiana 47401
812-337-2862

State Geologist: John B. Patton

INDIANA BOARD OF MINES AND MINING
1119 Wabash Avenue
Terre Haute, Indiana 47807
812-232-6406

Director: Charles A. Purcell

COAL - STATE AGENCIES

IOWA

IOWA GEOLOGICAL SURVEY
123 N. Capitol Street
Iowa City, Iowa 52242
319-338-1173

State Geologist: Stanley C. Grant

KANSAS

KANSAS GEOLOGICAL SURVEY
1930 Avenue A, Campus West
University of Kansas
Lawrence, Kansas 66044
913-864-3965

Director: William W. Hambleton

KENTUCKY

KENTUCKY GEOLOGICAL SURVEY
307 Mineral Industries Building
University of Kentucky
Lexington, Kentucky 40506
606-258-8991

Director and State Geologist:
Wallace W. Hagan

KENTUCKY DEPARTMENT OF MINES AND MINERALS
P.O. Box 680
Lexington, Kentucky 40501
606-254-0367

Commissioner: H.N. Kirkpatrick

MARYLAND

MARYLAND GEOLOGICAL SURVEY
Merryman Hall
Johns Hopkins University
Baltimore, Maryland 21218
301-235-0771

Director: Kenneth N. Weaver

MARYLAND BUREAU OF MINES
City Building
Westernport, Maryland 21562
301-359-3057

Director: Harry B. Buckley

MISSOURI

MISSOURI GEOLOGICAL SURVEY
P.O. Box 250
Rolla, Missouri 65401
314-364-1752

Director and State Geologist: Wallace B. Howe

MISSOURI DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS
Inspection Section
722 Jefferson Street
Jefferson City, Missouri 65101
314-751-3403

Assistant Director, Inspection: Don Davis

MONTANA

MONTANA BUREAU OF MINES AND GEOLOGY
Montana College of Mineral Science and Technology
Butte, Montana 59701
406-792-8321

Director and State Geologist: S.L. Groff

NEW MEXICO

NEW MEXICO STATE BUREAU OF MINES AND MINERAL RESOURCES
New Mexico Tech
Socorro, New Mexico 87801
505-835-5420

Director: Frank E. Kottlowski

NEW MEXICO STATE MINE INSPECTOR
National Building
505 Marquette Avenue, N.W.
Albuquerque, New Mexico 87101
505-842-3055

State Mine Inspector: J.D. Longacre

NEW MEXICO COAL SURFACE MINING COMMISSION
State Capitol
Santa Fe, New Mexico 87501

COAL - STATE AGENCIES

NORTH DAKOTA

NORTH DAKOTA GEOLOGICAL SURVEY
University Station
Grand Forks, North Dakota 58201
701-777-2231

State Geologist: Ediwn A. Noble

NORTH DAKOTA DEPARTMENT OF SAFETY
Workmen's Compensation Bureau
Russel Building, Highway 83 North
Bismarck, North Dakota 58505
701-224-2700

Safety Director: Allan Stuart

OHIO

OHIO GEOLOGICAL SURVEY
Fountain Square, Building 6
Columbus, Ohio 43224
614-466-5344

Chief and State Geologist: H.R. Collins

OHIO DIVISION OF MINES
2323 W. Fifth Avenue
Columbus, Ohio 43216
614-466-4240

Chief: Norman Gatti

OKLAHOMA

OKLAHOMA GEOLOGICAL SURVEY
University of Oklanhoma
830 Van Vleet Oval, Room 163
Norman, Oklahoma 73069
405-325-3031

Director: Charles J. Mankin

OKLAHOMA DEPARTMENT OF MINES
117 State Capitol
Oklahoma City, Oklahoma 73105
405-521-3859

Chief Mine Inspector: Ward Padgett

PENNSYLVANIA

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
P.O. Box 1467
Harrisburg, Pennsylvania 17120

Director, Bureau of Topographic and Geologic Survey: Arthur A. Socolow
Commissioner, Office of Deep Mine Safety: Walter J. Vicinelly
Director, Bureau of Surface Mine Reclamation: Anthony Ercole

TENNESSEE

TENNESSEE DIVISION OF GEOLOGY
G-5 State Office Building
Nashville, Tennessee 37219
615-741-2726

State Geologist: Robert E. Hershey

TENNESSEE DEPARTMENT OF LABOR
Division of Mine Inspection
306 State Office Building Annex
618 Church Street, S.W.
Knoxville, Tennessee 37902
615-525-9336

Director: Houston Payne

UTAH

UTAH GEOLOGICAL AND MINERAL SURVEY
606 Black Hawk Way
Salt Lake City, Utah 84108
801-581-6831

Director: Donald T. McMillan

VIRGINIA

DIVISION OF MINERAL RESOURCES
P.O. Box 3667
Charlottesville, Virginia 22903
804-293-5121

State Geologist and Commissioner: James L. Calver

VIRGINIA DEPARTMENT OF LABOR AND INDUSTRY
Division of Mines and Quarries
Big Stone Gap, Virginia 24219
703-523-0335

Chief: William F. Mullins

WASHINGTON

WASHINGTON DEPARTMENT OF NATURAL RESOURCES
Geology and Earth Resources Division
Olympia, Washington 98504
206-753-6183

State Geologist: Vaughn E. Livingston, Jr.

WEST VIRGINIA

WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY
P.O. Box 879
Morgantown, West Virginia 26505
304-292-6331

Director and State Geologist: Robert B. Erwin

WEST VIRGINIA DEPARTMENT OF MINES
State Capitol, Room E-151
Charleston, West Virginia 25305
304-348-2051

Director: J.M. Ashcraft

WYOMING

GEOLOGICAL SURVEY OF WYOMING
P.O. Box 3008, University Station
Laramie, Wyoming 82071
307-742-2054

State Geologist: Daniel N. Miller

WYOMING MINE INSPECTOR'S OFFICE
P.O. Box 1064
Rock Springs, Wyoming 82901
307-362-5222

State Mine Inspector: Marino Pierantoni

OTHER ORGANIZATIONS

ALABAMA MINING INSTITUTE
1703 John A. Hand Building
Birmingham, Alabama 35203

President: Don I. Wasson

ALABAMA SURFACE MINING AND RECLAMATION COUNCIL
244 Goodwin Crest, Suite 318
Executive Office Park
Birmingham, Alabama 35209

Executive Director: William Kelce

ALABAMA SURFACE MINING ENVIRONMENTAL ASSOCIATION
c/o Frank Kivett, President
Bickerstaff Clay Products Co., Inc.
P.O. Box 1178
Columbus, Georgia 31907

AMERICAN COAL ASSOCIATION
343 S. Dearborn Street, Suite 608
Chicago, Illinois 60605
312-922-8031

Formerly American Retail Coal Association; reports that it is "an umbrella organization for all branches of the coal industry." (See also: National Coal Association.)

AMERICAN MINING CONGRESS
See listing in Chapter 1.

ANTHRACITE INSTITUTE
425 Candlewyck Road
Camp Hill, Pennsylvania

Anthracite, a smokeless, noncaking and long-burning hard coal, is found in the U.S. almost entirely in northeastern Pennsylvania (about 95%).

ARKANSAS-OKLAHOMA COAL OPERATORS ASSOCIATION
P.O. Box 186
Fort Smith, Arkansas 72901

COAL - OTHER ORGANIZATIONS

ASSOCIATION OF BITUMINOUS CONTRACTORS
2020 K Street, N.W., Suite 800
Washington, D.C. 20006
202-785-1395

President: Elmo J. Hurst

ASSOCIATION TECHNIQUE DE L'IMPORTATION CHARBONNIERE
Delegation in North America
1 World Trade Center, Suite 5201
New York, New York 10048

The North American office of the French coal importation authority.

BATTELLE MEMORIAL INSTITUTE
See Chapter 1 for description. A major focus of research has been on coal.

BIG SANDY-ELKHORN COAL OPERATORS ASSOCIATION
P.O. Box 7223
Lexington, Kentucky 40502

President: Harry C. Campbell

BITUMINOUS COAL OPERATORS' ASSOCIATION
918 16th Street, N.W.
Washington, D.C. 20006
202-785-3195

President: Joseph P. Brennan

Concerned primarily with labor relations between operators of bituminous coal mines (most of the coal mined in the U.S. is bituminous) and the United Mine Workers of America. Issues no publications for the public.

BITUMINOUS COAL RESEARCH, INC. (BCR)
350 Hochberg Road
Monroeville, Pennsylvania 15146
412-327-1600

President and Director of Research: James R. Garvey

The research arm of the National Coal Association. Organized in 1934, BCR conducts major programs of research in coal gasification, environmental improvement, mining health and safety, and related fields. Much of the work is either funded by or done in cooperation with federal and state government agencies.

CARNEGIE-MELLON UNIVERSITY
Coal Research Laboratory
Pittsburgh, Pennsylvania 15213

CENTRAL PENNSYLVANIA COAL PRODUCERS' ASSOCIATION
Masonic Building, Suite 219
Ebensburg, Pennsylvania 15931

President: Emmett T. Lang

CITIZENS LEAGUE TO PROTECT THE SURFACE RIGHTS
Blackey, Kentucky 41804

Property-owners' and citizens' group concerned with coal strip-mining.

CITY COLLEGE OF NEW YORK
City College Clean Fuels Institute
Department of Chemical Engineering
New York, New York 10031

Research program focuses on improved techniques for gasifying coal.

COAL EXPORTERS ASSOCIATION OF THE UNITED STATES
1130 17th Street, N.W.
Washington, D.C. 20036
202-628-4322

Vice President-Economics, and Director-Foreign Trade: Constance D. Holmes

The export arm of the National Coal Association, which see.

COAL MINING INSTITUTE OF AMERICA
416 Ash Street
California, Pennsylvania 15419

COAL OPERATORS AND ASSOCIATES, INC.
315 Hopkins Building
Pikeville, Kentucky 41501
606-432-2161

Executive Director: Mart Bailey

Regional group of independents in Kentucky.

COAL - OTHER ORGANIZATIONS

COAL PRODUCERS ASSOCIATION OF ILLINOIS
314 E. Adams Street
Springfield, Illinois 62701

President: Louis S. Weber

Service organization for coal companies whose employees are members of the Progressive Mine Workers of America.

COLORADO AND NEW MEXICO COAL OPERATORS ASSOCIATION
P.O. Box 1394
Englewood, Colorado 80110

President: B.B. Noe

COUNCIL ON ECONOMIC PRIORITIES
See description in Chapter 1. Program has included studies of leasing of coal-bearing federal and Indian lands to private corporations in the West.

EASTERN BITUMINOUS COAL ASSOCIATION
Masonic Building, Suite 219
Ebensburg, Pennsylvania 15931

President: Emmett T. Lang

Members are coal mine operators in central and eastern Pennsylvania; Maryland; and in Grant, Mineral, and Tucker Counties, West Virginia.

ENVIRONMENTAL DEFENSE FUND
See description in Chapter 9. Program has included a major emphasis on the environmental and social effects of coal development in the northern Great Plains.

GREENBRIER COAL OPERATORS ASSOCIATION
P.O. Box 185
Quinwood, West Virginia 25981

HARLAN COUNTY COAL OPERATORS ASSOCIATION
P.O. Box 230
Harlan, Kentucky 40831

President: C.D. McDowell

HAZARD COAL OPERATORS ASSOCIATION
Citizens Bank Square, Suite 6-J
Lexington, Kentucky 40507

President: William B. Sturgill

ILLINOIS COAL OPERATORS ASSOCIATION
117 S. Fifth Street (710 Reisch Building)
Springfield, Illinois 62701

President: Otis J. Gibson

INDIANA COAL ASSOCIATION
632 Cherry Street
Terre Haute, Indiana 47808

Manager: William A. Beeman

KANAWHA COAL OPERATORS ASSOCIATION
809 Kanawha Valley Building
Charleston, West Virginia 25301

Executive Secretary: Quin Morton, III

KENTUCKY COAL ASSOCIATION
P.O. Box 4242
Lexington, Kentucky 40504

President: Tom Duncan

KENTUCKY RECLAMATION ASSOCIATION
P.O. Box 217
Earlington, Kentucky 42401

Executive Vice President: John M. Crowl

KENTUCKY RIVER MINING INSTITUTE
P.O. Box 838
Hazard, Kentucky 41701

KENTUCKY INDEPENDENT COAL PRODUCERS, INC.
c/o Coal Operators and Associates, Inc.
315 Hopkins Building
Pikeville, Kentucky 41501

Group of three regional associations in Kentucky; affiliated with the National Independent Coal Operators Association.

COAL - OTHER ORGANIZATIONS

KENTUCKY-TENNESSEE COAL OPERATORS ASSOCIATION, INC.
1001 Circle Drive
Corbin, Kentucky 40701

Executive Vice President: David O. Smith

KEYSTONE BITUMINOUS COAL ASSOCIATION
311 Towne House
Harrisburg, Pennsylvania 17102

President: Stephen McCann

Pub.: Coal in Pennsylvania, annual.

LEAGUE OF WOMEN VOTERS MOUNTAIN PLAINS COALITION
2160 Vassar Drive
Boulder, Colorado 80303

The Coalition is concerned with environmental and socioeconomic impacts of energy, especially coal, development in the region. For a description of the League of Women Voters and its energy interests, see Chapter 1.

LOGAN COAL OPERATORS ASSOCIATION
P.O. Box 240
Logan, West Virginia 25601

Secretary-Treasurer: Melvin Triolo

MIDWEST COAL PRODUCERS INSTITUTE
117 S. Fifth Street, Suite 710
Springfield, Illinois 62701

President: Otis J. Gibson

Covers Illinois, Indiana, and western Kentucky.

MONTANA COAL COUNCIL
P.O. Box 1324
Dillon, Montana 59725

NATIONAL ASH ASSOCIATION, INC. (NAA)
1819 H Street, N.W.
Washington, D.C. 20006
202-659-2303

Formed by several major electric utilities and coal companies to coordinate and assist producers, transporters, marketers, and consumers in promoting use of ash from burning coal.

Pub.: Various reports are issued, e.g., Fly Ash from Coal Burning Power Plants; Reclamation of Coal Mine Wastes and Strip Spoil with Fly Ash.

NATIONAL COAL ASSOCIATION (NCA)
Coal Building
1130 17th Street, N.W.
Washington, D.C. 20036
202-628-4322

President: Carl E. Bagge
Executive Vice President: Robert V. Price
Director of Statistical and Technical Services: Wilbur C. Helt
Director of Transportation and Foreign Trade: Mildred M. Loveless
Vice President, Governmental Relations, and Director, Environmental Services: Joseph W. Mullun
Vice President, Public Relations and Director of Information Services: Rex M. Chaney

The major national trade organization for the promotion of bituminous coal production and use. There are two categories of membership. Any coal-producing company is eligible for producer membership. Coal sales companies, coal-carrying railroads and barge lines, mining equipment manufacturers, coal reserve owners, energy companies, and mining consultants may be associate members.

NCA represents the coal industry before various congressional committees and federal agencies, keeps members informed of legal developments, including court decisions and administrative rulings, and carries on an active public relations program.

It also provides technical assistance in engineering and land reclamation. The Economics and Statistics Division makes economic analyses and fuels and coal market studies. The Transportation and Foreign Trade Division gathers, analyzes, and publishes information on coal trade and traffic.

The Coal Exporters Association of the United States, Inc., and Bituminous Coal Research, Inc., are affiliated with NCA.

COAL - OTHER ORGANIZATIONS

The National Coal Association publishes:

-- Coal Data, annual, containing statistics on production, preparation, consumption, stocks, distribution, stocks, distribution, mining equipment, safety, class and manner of shipment, utilization, reserves, etc., compiled from government reports.

-- Coal Facts, biennial, an industry handbook.

-- Coal News, weekly newsletter ($75 per year).

-- Coal Traffic Annual, a five-year report showing all modes of transportation used in moving coal, individual carriers, and consumer categories.

-- Steam-Electric Plant Factors, annual, a plant-by-plant study of comparative coal, oil, and gas usage and costs in the generation of electric power, based on federal government reports.

-- International Coal, a five-year study on world coal resources and production, annual.

NCA also issues various educational materials, films, technical reports, and pamphlets. A booklet, "National Coal Association: Directory of Organization and Services," describes all publications.

NATIONAL COUNCIL OF COAL LESSORS
317 Southern Building
Washington, D.C. 20005
202-293-1610

NATIONAL INDEPENDENT COAL OPERATORS' ASSOCIATION (NICOA)
P.O. Box 354
Richlands, Virginia 24631
703-963-9011

Major organization of small- and medium-sized coal mine operators. Pub.: The National Independent Coal Leader, monthly.

Maintains an office in Washington:

+National Independent Coal Operators' Association
Washington Office
1800 M Street, N.W., Suite 600
Washington, D.C. 20036
202-926-5700

NEW MEXICO MINING ASSOCIATION
P.O. Box 5527
Santa Fe, New Mexico 87502

NORTHERN WEST VIRGINIA COAL ASSOCIATION
P.O. Box 1386
Fairmont, West Virginia 26555

Secretary: J. D. Amos

OHIO VALLEY COAL OPERATORS ASSOCIATION
209 Lew-Port Building
St. Clairsville, Ohio 43950

PENNSYLVANIA COAL MINING ASSOCIATION
240 N. Third Street
Harrisburg, Pennsylvania 17101

President: Franklin H. Mohney

PENNSYLVANIA STATE UNIVERSITY
Coal Research Section
513 Deike Building
University Park, Pennsylvania 16802
814-865-6544

Director: William Spackman

Interdepartmental studies on the origin, constitution, mining, beneficiation, and utilization of coal. Main thrust of current research is directed toward relating the character of coal to its behavior in conversion processes. Pub.: Special Research Reports; Technical Reports; Research and Development Reports. List available.

POWDER RIVER BASIN RESOURCE COUNCIL
P.O. Box 6221
Sheridan, Wyoming 82801
307-672-5809

Concerned with the social and environmental impacts of coal development in the basin.

COAL - OTHER ORGANIZATIONS

ROCKY MOUNTAIN COAL MINING INSTITUTE
356 Lafayette Street
Denver, Colorado 80218
303-733-9309

Trade association. Publishes proceedings of an annual meeting.

SLURRY TRANSPORT ASSOCIATION (STA)
490 L'Enfant Plaza East, S.W., Suite 3210
Washington, D.C. 20024
202-554-4700

President: W. Pat Jennings

Purpose is "to foster the development and growth of the slurry transport industry - the movement of solid materials, particularly coal, via pipelines - to make its benefits available to ultimate consumers and the general public." Works to get federal legislation to extend the right of eminent domain to coal slurry pipelines; public information; research and exchange of technical information among its members. Members are slurry transport companies and producers and consumers of coal and other materials transportable in slurry form; non-voting members are firms or individuals associated with the industry.

Pub.: Slurry Transportation Bibliography. Proceedings of an annual technical conference.

SOCIETY OF MINING ENGINEERS OF AIME
540 Arapeen Drive
Salt Lake City, Utah 84108
801-582-2744

Executive Secretary: Claude L. Crowley

Part of the American Institute of Mining, Metallurgical and Petroleum Engineers (AIME). Professional organization of engineers in the mineral industries. Maintains a Government, Energy and Minerals Committee. Pub.: Elements of Practical Coal Mining. Coal Preparation.

SOUTHERN APPALACHIAN COAL OPERATORS ASSOCIATION
825 Whitehall Road
Knoxville, Tennessee 37919

SOUTHERN COAL PRODUCERS' ASSOCIATION
809 Kanawha Valley Building
Charleston, West Virginia 25301

Executive Vice President: Quin Morton, III

SOUTHERN VIRGINIAS COAL ASSOCIATION
Bluefield, West Virginia 24701

Chairman: P.P. Ferretti

Organization of coal operators in southern Virginia and West Virginia.

SOUTHWESTERN INTERSTATE COAL OPERATORS ASSOCIATION
Bottenfield Building
Walnut and Fifth Streets
Pittsburg, Kansas 66762

Secretary: Raymond L. Letton

Serves parts of Kansas and Missouri.

SURFACE MINING RESEARCH LIBRARY
1218 Quarrier Street
Charleston, West Virginia 25301

Concerned with the effects of strip-mining for coal. Pub: Energy and Environment: What's the Strip Mining Controversy All About? Information kits.

UNITED MINE WORKERS OF AMERICA (UMWA)
900 Fifteenth Street, N.W.
Washington, D.C. 20005
202-638-0530

President: Arnold Miller

National union of coal miners; its members represent 80% of all U.S. coal production. Pub.: UMWA Journal, bimonthly.

COAL - OTHER ORGANIZATIONS

UTAH MINING ASSOCIATION
825 Kearns Building
Salt Lake City, Utah 84101

Manager: Jack E. Christensen

VIRGINIA COAL ASSOCIATION
700 Building, Suite 1506
7th and Main Streets
Richmond, Virginia 23219

VIRGINIA MINING INSTITUTE
Southern Division
Drawer V
Big Stone Gap, Virginia 24219

President: Lester Hawk

VIRGINIA MINING INSTITUTE
Northern Division
P.O. Box 83
Tazewell, Virginia 24651

President: Joseph C. Turley, III

VIRGINIA SURFACE MINING AND RECLAMATION ASSOCIATION
P.O. Box 706
Norton, Virginia 24273

WEST VIRGINIA COAL ASSOCIATION
1340 One Valley Square
Charleston, West Virginia 25301

President: Edwin K. Wiles

WEST VIRGINIA SURFACE MINING AND RECLAMATION ASSOCIATION
1624 Kanawha Boulevard, East
Charleston, West Virginia 25311
304-346-5318

President: Benjamin C. Greene

Pub.: Green Lands Quarterly.

WEST VIRGINIA UNIVERSITY
Coal Research Bureau
219 White Hall
Morgantown, West Virginia 26506
304-293-3013

Director: Joseph W. Leonard

A state agency charged with applied and developmental research in coal utilization, including combustion, conversion, carbonization, solid waste utilization, etc. Publishes a Coal Research Bureau Technical Report Series. Titles have included Is the Energy Crisis Real? (1971); The Energy Crisis - Fact or Fiction? (1973); Coal Refuse Disposal; and Foreign Investment in the U.S. Mineral Industry: The Case of West Virginia Coal.

WESTERN KENTUCKY COAL PRODUCERS ASSOCIATION
Reports it is inactive.

WESTERN PENNSYLVANIA COAL OPERATORS ASSOCIATION
715 Henry W. Oliver Building
Pittsburgh, Pennsylvania 15222

Executive Vice President: Joseph F. Bonetto

MAJOR COAL PRODUCERS

According to the Keystone Coal Industry Manual, the standard guide to the industry (annual, McGraw Hill, Inc., 1221 Avenue of the Americas, New York, New York 10020), the five largest coal producers in the U.S. are as follows. Production figures are for 1976.

PEABODY COAL COMPANY
301 N. Memorial Drive
St. Louis, Missouri 63102
314-436-3400

A subsidiary of Kennecott Copper Corporation.
70,542,457 tons produced in 1976.

CONSOLIDATION COAL COMPANY
3300 One Oliver Plaza
Pittsburgh, Pennsylvania 15222
412-288-8700

A subsidiary of Continental Oil Company.
55,888,000 tons.

AMAX COAL COMPANY
105 S. Meridian Street
Indianapolis, Indiana 46225
317-639-6251

A division of American Metal Climax, Inc.
23,061,000 tons.

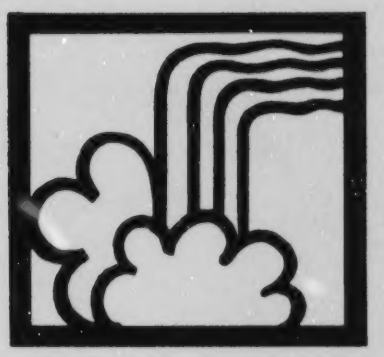
ISLAND CREEK COAL COMPANY
P.O. Box 12129
Lexington, Kentucky 40511
606-276-1525

A subsidiary of Occidental Petroleum Corporation. 17,606,404 tons.

PITTSTON COAL COMPANY
One Pickwick Plaza
Greenwich, Connecticut 06830
203-622-0900

A subsidiary of the Pittston Company. 17,101,629 tons.

4. Water Power



Federal Agencies, page 112
Interstate Agencies, page 117
International Agencies, page 118
State Agencies, page 127
Other Organizations, page 127

Water power accounts for only 4.1% of the energy consumed in the United States, but there are large differences among regions. The Pacific Northwest derives 42% of its energy from this source. Listed in this chapter are organizations concerned with development of water resources; for information on hydroelectric utilities, see pages 161-179.

WATER - FEDERAL AGENCIES

FEDERAL AGENCIES

DEPARTMENT OF COMMERCE
Washington, D.C. 20230
202-377-2000 (Information)

Secretary of Commerce: Juanita M. Kreps

+NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA)
Washington, D.C. 20230

Administrator: Richard A. Frank

++Environmental Data Service (EDS)
Rockville, Maryland 20852
202-343-6226

Director: Thomas S. Austin

Collects, processes, and disseminates environmental data, including water resources data pertaining to evaporation, snow on the ground, precipitatation, etc., that is used by other agencies in planning water resources development. A new, one-stop environmental data and information referral service was initiated in 1974. It provides users rapid referral to available environmental data and information files of NOAA, other federal agencies, state and local governments, universities, research institutes, and private industry. This service, known as ENDEX, includes data related to water resources. For further information, contact: National Climatic Center, Federal Building, Asheville, North Carolina 28801, 704-254-0961.

++National Weather Service (NWS)
8060 13th Street
Silver Spring, Maryland 20910
301-427-7658

Director: George P. Cressman

NWS observes and reports the weather of the United States, and issues forecasts and warnings of weather, river, and flood conditions. In providing the river and flood forecasts, it conducts research which includes analyses and studies of hydrometeorological data for broad application to water resources planning, design, and operational problems. The Office of Hydrology issues basic data, analytical, and interpretive reports. Regional Hydrologists are attached to the NWS regional offices at Garden City, New York; Fort Worth, Texas; Kansas City, Missouri; Anchorage, Alaska; Salt Lake City, Utah; and Honolulu, Hawaii.

DEPARTMENT OF DEFENSE
The Pentagon
Washington, D.C. 20301

Secretary of Defense: Harold Brown

+DEPARTMENT OF THE ARMY
The Pentagon
Washington, D.C. 20310

++U.S. Army Corps of Engineers
The Pentagon, Room 1E688
Washington, D.C. 20310
202-697-4221

Chief of Engineers: Lt. Gen. J.W. Morris
Director of Civil Works: Maj. Gen. C.I. McGinnis

In addition to its military functions, the Army Corps of Engineers carries on an extensive civil works program. It has constructed and is operating 67 hydroelectric projects with a total installed capacity of over 16.5 million kilowatts. Power from Corps projects is marketed by agencies of the Department of Energy (see the Electric Utilities section of this book).

The Corps has division offices at Waltham, Massachusetts; New York, New York; Atlanta, Georgia; Cincinnati, Ohio; Chicago, Illinois; Vicksburg, Mississippi; Omaha, Nebraska; Dallas, Texas; Portland, Oregon; San Francisco, California; Honolulu, Hawaii; Huntsville, Alabama; and in Germany and Saudi Arabia.

Pub.: Water Spectrum, quarterly magazine. Annual Report of the Chief of Engineers on Civil Works Activities (2 vols.). Hydro-

WATER - FEDERAL AGENCIES

power - The Role of the Corps (booklet describing projects, with map).

DEPARTMENT OF ENERGY (DOE)
Washington, D.C. 20545

+FEDERAL ENERGY REGULATORY COMMISSION (FERC)
Washington, D.C. 20545
202-275-4122

Chairman: Charles B. Curtis
Executive Director: William G. McDonald

For a complete description of FERC functions, see the following chapters of this book: 1, Energy in General; 2, Oil and Gas; 7, Electric Utilities. Among its other responsibilities (transferred from the old Federal Power Commission), FERC issues permits and licenses for non-federal hydroelectric projects, requires development of recreational facilities for the general public at licensed hydroelectric projects, reviews plans for proposed federal dams and makes recommendations concerning hydroelectric development at such dams, and allocates the costs of certain federal hydroelectric projects.

DEPARTMENT OF THE INTERIOR
Washington, D.C. 20240

Secretary of the Interior: Cecil D. Andrus
Assistant Secretary, Energy and Minerals: Joan Davenport
Assistant Secretary, Land and Water Resources: Guy Martin

+U.S. GEOLOGICAL SURVEY (USGS)
National Center
Reston, Virginia 22092
703-860-7444 (Information)

Director: H. William Menard
Information Officer: Frank H. Forrester

++Water Resources Division

Chief Hydrologist: Joseph S. Cragwall, Jr.
Associate Chief Hydrologist: O. Milton Hackett

The Water Resources Division of USGS is responsible for investigating and appraising the source, quantity, quality, distribution, movement, and availability of both surface and ground waters in the U.S. This work includes investigations of floods and droughts, interpretive studies of existing or potential water problems, research in the field of hydrology and related sciences, and scientific and technical assistance in appropriate fields to other federal agencies.

It has responsibility for coordinating federal activities in the acquisition of water data, including the design and operation of a national information network. The Division works closely with state water resources agencies.

Pub.: Results of investigations are published as U.S. Geological Survey Professional Papers, Bulletins, Circulars, and map series; in scientific and technical publications; and in publications of cooperating state agencies. A monthly list of USGS new publications is issued.

Regional Offices:

USGS maintains regional offices at Denver (Denver Federal Center, Denver, Colorado 80225, 303-234-4630), in the San Francisco area (345 Middlefield Road, Menlo Park, California 94025, 415-323-2811), and at the Reston, Virginia, headquarters (703-860-7414).

+BUREAU OF RECLAMATION (BuRec)
Washington, D.C. 20240
202-343-4662 (Information)

Commissioner of Reclamation: R. Keith Higginson

BuRec constructs and maintains federal reclamation projects in the 17 contiguous Western states and in Hawaii. Included in its system are 50 hydroelectric plants with a total installed capacity of 7,800,000 kilowatts. Power is marketed both by the Bureau and by agencies of the Department of Energy (see the Electric Utilities chapter of this book).

WATER - FEDERAL AGENCIES

Among BuRec's major projects are Hoover Dam (Arizona-Nevada), the highest concrete dam; Trinity Dam (California), the highest earthfill dam; Grand Coulee Dam (Washington), the largest concrete dam; and San Luis Dam (California), the largest earthfill dam.

Since 1961, the Bureau has been conducting research and pilot projects in weather modification to increase rainfall in water-deficient areas by seeding clouds with chemicals. Three pilot projects have been established: in the Colorado River Basin, focusing on southwestern Colorado; in western North Dakota; and in the Pyramid Lake region of California-Nevada.

Pub.: Reclamation Era, a magazine, quarterly. "Power Operation and Maintenance," a 12-part series of training publications, is designed mainly for power plant operating personnel. Lists of free and sale publications are available from: Engineering and Research Center, Bureau of Reclamation, Denver, Colorado 80225.

Regional Offices, Bureau of Reclamation (see map):

++Region 1 Office (Pacific Northwest)
Bureau of Reclamation
550 W. Fort Street
Boise, Idaho 83724
208-384-1908

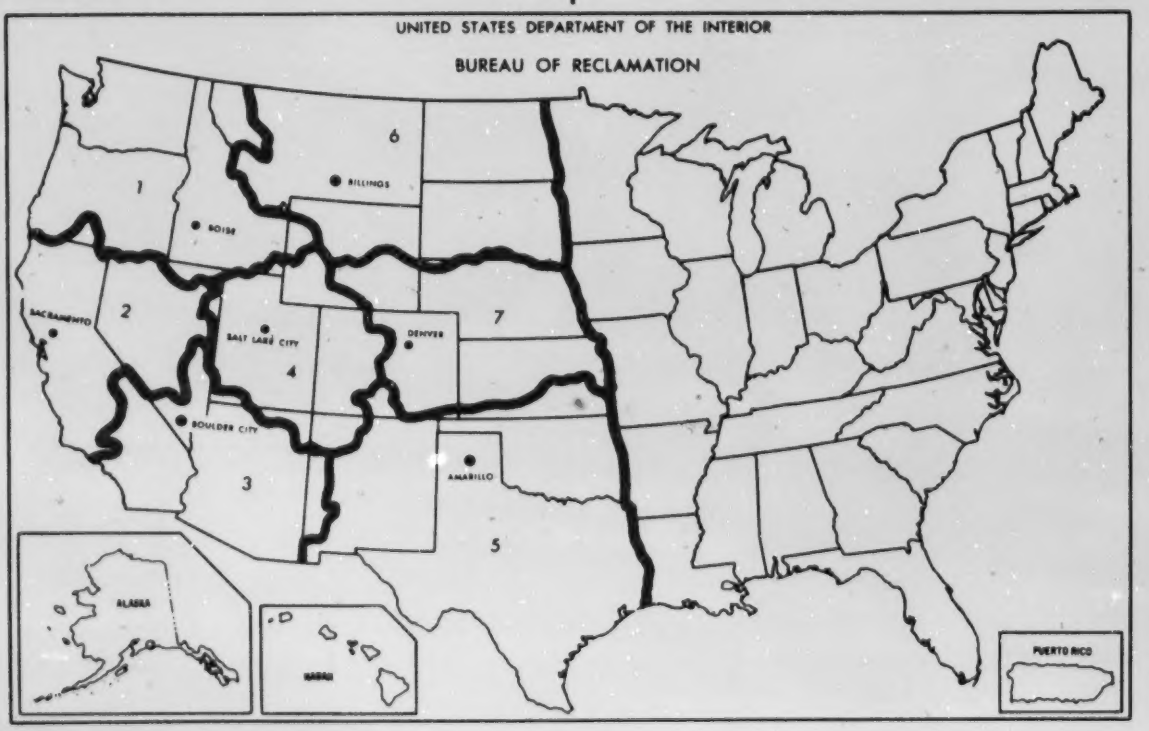
Regional Director: R. J. Vissia

++Region 2 Office (Mid-Pacific)
Bureau of Reclamation
2800 Cottage Way
Sacramento, California 95825
916-484-4571

Regional Director: Billy E. Martin

++Region 3 Office (Lower Colorado)
Bureau of Reclamation
P.O. Box 427
Boulder City, Nevada 89005
702-293-7411

Regional Director: M. Lopez, Jr.



WATER - FEDERAL AGENCIES

++Region 4 Office (Upper Colorado)
Bureau of Reclamation
P.O. Box 11568
Salt Lake City, Utah 84111
801-524-5592

Regional Director: D.L. Crandall

++Region 5 Office (Southwest)
Bureau of Reclamation
Herring Plaza, Box H-4377
Amarillo, Texas 79101
806-376-2401

Regional Director: Dale B. Raitt (Acting)

++Region 6 Office (Upper Missouri)
Bureau of Reclamation
P.O. Box 2553
Billings, Montana 59103
406-657-6214

Regional Director: Robert L. McPhail

++Region 7 Office (Lower Missouri)
Bureau of Reclamation
Denver Federal Center, Building 20
Denver, Colorado 80225
303-234-4441

Regional Director: Joe Hall

+OFFICE OF WATER RESEARCH AND TECHNOLOGY (OWRT)
Department of the Interior
Washington, D.C. 20240
202-343-5975

Director: Gary D. Cobb

Administers the research and training programs authorized by the Water Resources Research Act of 1964 (P.L. 88-379), as amended. Use of water for generating power is among the purposes of the act. OWRT performs no in-house research. It provides annual fund allotments to support a single state university water research and training institute in each of the 50 states and Puerto Rico. Additional funds are given to these institutes for specific research project work on a dollar-for-dollar matching-fund basis. Other universities and colleges may participate in the work of the designated institutes (listed under State Agencies, below).

++Water Resources Scientific Information Center (WRSIC)
Office of Water Research and Technology
U.S. Department of the Interior
Washington, D.C. 20240

Manager: Raymond A. Jensen

Disseminates scientific and technical information of interest to the U.S. water resources community, in the form of abstracts, cataloging, topical bibliography, and other summary formats, concerning ongoing research projects and results from completed water resources studies. Pub.: Selected Water Resources Abstracts, semimonthly, with Annual Indexes. Water Resources Research Catalog, annual. Topical Bibliographies series. Special Bibliography Series. State-of-the-art reviews.

The WRSIC network has information centers at Cornell University; the Universities of Wisconsin (Madison), North Carolina, and Arizona; and Virginia Polytechnic Institute and State University; as well as at the Washington address. Catalogs of publications are available.

UNITED STATES WATER RESOURCES COUNCIL
2120 L Street, N.W., Suite 800
Washington, D.C. 20037
202-254-6303

Director: Leo M. Eisel

An independent executive agency of the U.S. Government composed of the Secretaries of Agriculture, Army, Commerce, Energy, Housing and Urban Development, Interior, and Transportation; and the Administrator of the Environmental Protection Agency. The following officials participate as observers: the Attorney General, the Director of the Office of Management and Budget, the Chairman of the Council on Environmental Quality, and the chairmen and vice chairmen of the river basin commissions. The Council was authorized by

WATER - FEDERAL AGENCIES

the Water Resources Planning Act of 1965.

The Council makes a continuing study of the adequacy of supplies of water necessary to meet the requirements of each water resources region in the U.S. and the relation of regional or river basin plans and programs to the requirements of larger regions of the nation.

It encourages development of water resources on a comprehensive and coordinated basis by federal, state, local government, and private enterprise through review of framework and basin plans. The recommendations of the Council resulting from this review are considered in subsequent authorization reports or other implementing actions.

RIVER BASIN COMMISSIONS

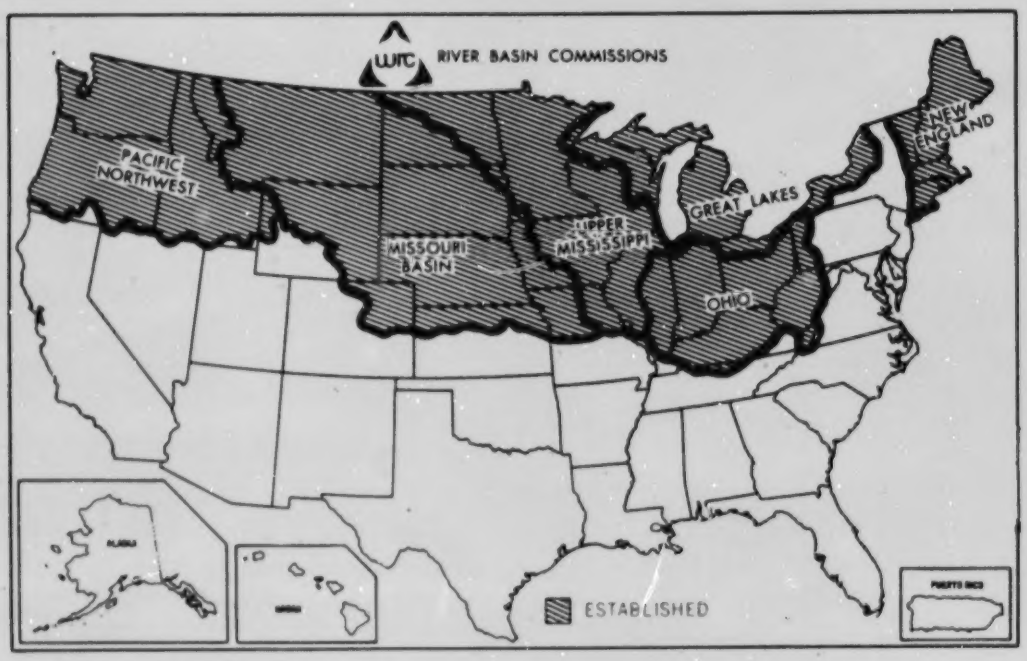
The River Basin Commissions serve as the principal agencies in their regions for coordination of federal, state, interstate, local, and nongovernmental plans for the development of water and related land resources, including hydroelectric resources. They are responsible for keeping up to date a comprehensive, coordinated, joint plan for development of water resources, and recommending long-range schedules of priorities for data collection, planning, and construction of projects. (See map below for areas covered.)

+GREAT LAKES BASIN COMMISSION
P.O. Box 999
Ann Arbor, Michigan 48107
313-763-3590

+NEW ENGLAND RIVER BASINS COMMISSION
55 Court Street, Room 205
Boston, Massachusetts 02108
617-223-6244

+OHIO RIVER BASIN COMMISSION
36 E. Fourth Street, Suites 208-220
Cincinnati, Ohio 45202
513-684-3831

+PACIFIC NORTHWEST RIVER BASINS COMMISSION
P.O. Box 908
Vancouver, Washington 98660
206-694-2581



WATER - FEDERAL AGENCIES

+MISSOURI RIVER BASIN COMMISSION
10050 Regency Circle, Suite 403
Omaha, Nebraska 68114
402-864-9351

+UPPER MISSISSIPPI RIVER BASIN COMMISSION
Federal Office Building, Room 510
Fort Snelling, Twin Cities,
Minnesota 55111
612-725-4690

INTER-AGENCY COMMITTEES

These committees, under the aegis of WRC, coordinate policies, programs, and activities of their members in the field of water resources and related land resources (see map below).

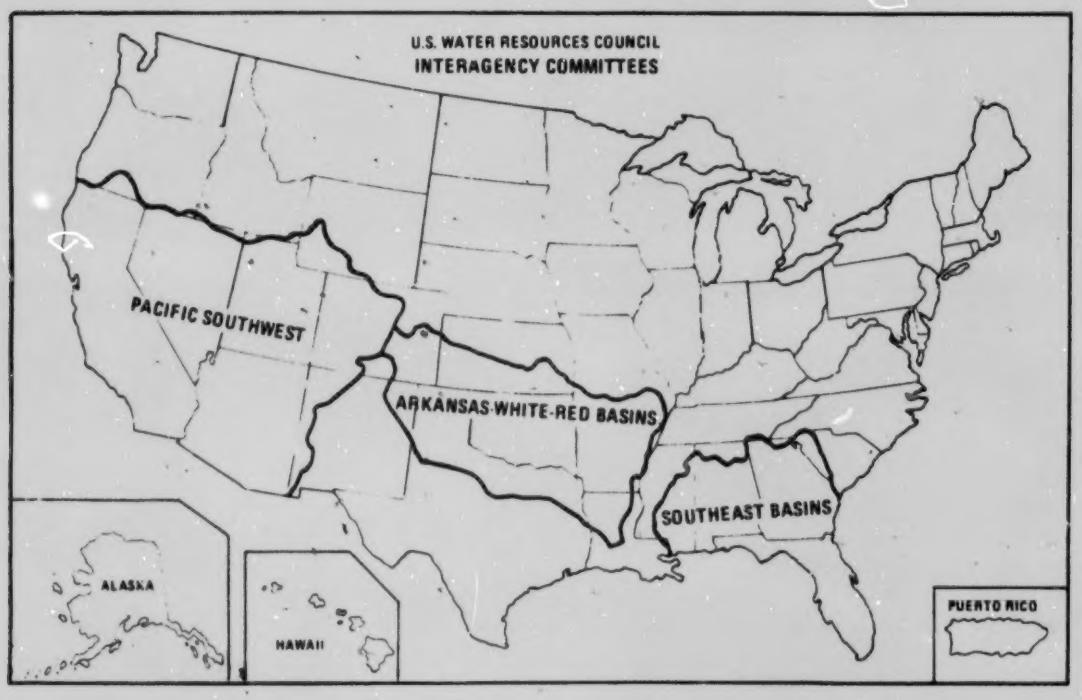
+ARKANSAS-WHITE-RED BASINS INTER-AGENCY COMMITTEE
c/o Department of the Interior,
Southwest Region
517 Gold Street, S.W., Room 4030
Albuquerque, New Mexico 87102
505-766-2838

+PACIFIC SOUTHWEST INTER-AGENCY COMMITTEE
c/o Soil Conservation Service
2828 Chiles Road
Davis, California 95616
916-758-2200, ext. 210

+SOUTHEAST BASINS INTER-AGENCY COMMITTEE
c/o South Carolina Water Resources Commission
P.O. Box 4515
Columbia, South Carolina 29240
803-758-2514

INTERSTATE AGENCIES

The following agencies, created as federal-interstate compact organizations, consisting of the U.S. Government and the states involved, are concerned with the development and maintenance of comprehensive plans and for programming, scheduling, and controlling projects within their basins. Development of hydroelectric potential is within their purview. (See next page.)



DELAWARE RIVER BASIN COMMISSION
P.O. Box 360
Trenton, New Jersey 08630

SUSQUEHANNA RIVER BASIN COMMISSION
5012 Lenker Street
Mechanicsburg, Pennsylvania 17055

INTERNATIONAL AGENCIES

INTERNATIONAL BOUNDARY AND WATER COMMISSION, UNITED STATES AND MEXICO (IBWC)
P.O. Box 1859
El Paso, Texas 79950
915-532-5476

U.S. Commissioner: Joseph F. Friedkin

A binational committee which implements provisions of treaties between the U.S. and Mexico relating to boundary and water, including hydroelectric, matters.

INTERNATIONAL JOINT COMMISSION, CANADA AND UNITED STATES (IJC)
425 I Street, N.W.
Washington, D.C. 20001
202-783-9151

U.S. Commissioner: Richard L. Herman

A binational committee which approves construction of works, including hydroelectric projects, in boundary waters of the U.S. and Canada.

STATE AGENCIES

Following are listed the state water resources development agencies (first), and the state water research institutes supported by the Office of Water Research and Technology of the U.S. Department of the Interior (see above). Most of the latter issue periodicals and research reports.

ALABAMA

Water resources office:

ALABAMA DEVELOPMENT OFFICE
State Office Building
Montgomery, Alabama 36130
205-832-6810

Research institute:

AUBURN UNIVERSITY
Water Resources Research Institute
Auburn, Alabama 36830

ALASKA

DEPARTMENT OF NATURAL RESOURCES
Pouch M
Juneau, Alaska 99801
907-465-2400

Research institute:

UNIVERSITY OF ALASKA
Institute of Water Resources
College, Alaska 99701

ARIZONA

Water resources office:

ARIZONA WATER COMMISSION
222 N. Central Avenue
Phoenix, Arizona 85004
602-258-7561

Research institute:

UNIVERSITY OF ARIZONA
Water Resources Research Center
Tucson, Arizona 85721

ARKANSAS

Water resources office:

DEPARTMENT OF COMMERCE
Division of Soil and Water Resources
1920 W. Capitol Avenue
Little Rock, Arkansas 72201
501-371-1611

WATER - STATE AGENCIES

Research institute:

UNIVERSITY OF ARKANSAS
Water Resources Research Center
Fayetteville, Arkansas 72701

CALIFORNIA

Water resources office:

DEPARTMENT OF WATER RESOURCES
1416 Ninth Street
Sacramento, California 95814
916-445-6582

Research institute:

UNIVERSITY OF CALIFORNIA
Water Resources Center
Room 475 - OB-3
Davis, California 95616

COLORADO

Water resources office:

DEPARTMENT OF NATURAL RESOURCES
1313 Sherman, Room 718
Denver, Colorado 80203
303-892-3311

Research institute:

COLORADO STATE UNIVERSITY
Environmental Resources Center
Fort Collins, Colorado 80521

CONNECTICUT

Water resources office:

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Water Resources Unit
165 Capitol Avenue
Hartford, Connecticut 06115
203-566-5599

Research institute:

UNIVERSITY OF CONNECTICUT
Institute of Water Resources
Storrs, Connecticut 06268

DELAWARE

Water resources office:

DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL
The Edward Tatnall Building
Dover, Delaware 19901
302-678-4403

Research institute:

UNIVERSITY OF DELAWARE
Water Resources Center
Newark, Delaware 19711

DISTRICT OF COLUMBIA

Water resources office:

DEPARTMENT OF ENVIRONMENTAL SERVICES
415 12th Street, N.W.
Washington, D.C. 20004
202-629-3415

Research institute:

WASHINGTON TECHNICAL INSTITUTE
Water Resources Research Center
4100 Connecticut Avenue, N.W.
Washington, D.C. 20008

FLORIDA

Water resources office:

DEPARTMENT OF NATURAL RESOURCES
202 Blount Street
Tallahassee, Florida 32304
904-488-1555

Research institute:

UNIVERSITY OF FLORIDA
Water Resources Research Center
220 Environmental Engineering Building
Gainesville, Florida 32601

GEORGIA

Water resources office:

DEPARTMENT OF NATURAL RESOURCES
Geologic and Water Resources Division
270 Washington Street, S.W.
Atlanta, Georgia 30334
404-656-3530

Research institute:

GEORGIA INSTITUTE OF TECHNOLOGY
Environmental Resources Center
205 Civil Engineering Building
Atlanta, Georgia 30332

GUAM

Research institute:

UNIVERSITY OF GUAM
Water resources Research Center
P.O. Box EK
Agana, Guam 96910

HAWAII

Water resources office:

DEPARTMENT OF LAND AND NATURAL RESOURCES
Division of Land and Water Development
P.O. Box 373
Honolulu, Hawaii 96809
808-548-7533

Research institute:

UNIVERSITY OF HAWAII
Water Resources Research Institute
Holmes Hall 283
Honolulu, Hawaii 96822

WATER - STATE AGENCIES

IDAHO

Water resources office:

DEPARTMENT OF WATER RESOURCES
Statehouse
Boise, Idaho 83720
208-384-2215

Research institute:

UNIVERSITY OF IDAHO
Waster Resources Research Institute
Engineering, Room B-34
Moscow, Idaho 83843

ILLINOIS

Water resources office:

ILLINOIS DEPARTMENT OF TRANSPORTATION
Division of Water Resources
2300 S. Dirksen Parkway
Springfield, Illinois 62764
217-782-4636

Research institute:

UNIVERSITY OF ILLINOIS
Water Resources Center
2535 Hydrosystems Laboratory
Urbana, Illinois 61801

INDIANA

Water resources office:

DEPARTMENT OF NATURAL RESOURCES
608 State Office Building
Indianapolis, Indiana 46204
317-633-6344

Research institute:

PURDUE UNIVERSITY
Water Resources Research Center
Lilly Hall
Lafayette, Indiana 47907

WATER - STATE AGENCIES

IOWA

Water resources office:

NATURAL RESOURCES COUNCIL
Grimes State Office Building
Des Moines, Iowa 50319
515-281-5914

Research institute:

IOWA STATE UNIVERSITY
Iowa State Water Resources Research Institute
Town Engineering Building, Room 403
Ames, Iowa 50010

KANSAS

Water resources office:

WATER RESOURCES BOARD
503 Kansas Avenue, Suite 303
Topeka, Kansas 66603
913-296-3185

Research institute:

KANSAS STATE UNIVERSITY
Kansas Water Resources Research Institute
Manhattan, Kansas 66502

KENTUCKY

Water resources office:

DEPARTMENT FOR NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION
Bureau of Natural Resources
Capital Park Tower, Fifth Floor
Frankfort, Kentucky 40601
502-564-3350

Research institute:

UNIVERSITY OF KENTUCKY
Water Resources Research Institute
165 Anderson Hall
Lexington, Kentucky 40506

LOUISIANA

Water resources office:

DEPARTMENT OF PUBLIC WORKS
P.O. Box 44155, Capitol Station
Baton Rouge, Louisiana 70804
504-389-6287

Research institute:

LOUISIANA STATE UNIVERSITY
Water Resources Research Institute
Baton Rouge, Louisiana 70803

MAINE

Water resources office:

STATE PLANNING OFFICE
State House
Augusta, Maine 04333
209-289-3261

Research institute:

UNIVERSITY OF MAINE AT ORONO
Land and Water Resources Center
11 Coburn Hall
Orono, Maine 04473

MARYLAND

Water resources office:

DEPARTMENT OF NATURAL RESOURCES
Tawes State Office Building
Annapolis, Maryland 21401
301-269-3683

Research institute:

UNIVERSITY OF MARYLAND
Water Resources Research Center
Shriver Laboratory
College Park, Maryland 20742

WATER - STATE AGENCIES

MASSACHUSETTS

Water resources office:

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Division of Water Resources
100 Cambridge Street
Boston, Massachusetts 02202
617-727-3170

Research institute:

UNIVERSITY OF MASSACHUSETTS
Water Resources Research Center
Graduate Research Center, A-211
Amherst, Massachusetts 01002

MICHIGAN

Water resources office:

WATER RESOURCES COMMISSION
P.O. Box 30028
Lansing, Michigan 48909
517-373-1947

Research institute:

MICHIGAN STATE UNIVERSITY
Institute of Water Research
East Lansing, Michigan 48823

MINNESOTA

Water resources office:

DEPARTMENT OF NATURAL RESOURCES
Division of Waters
300 Centennial Building
St. Paul, Minnesota 55155
612-296-4810

Research institute:

UNIVERSITY OF MINNESOTA
Water Resources Research Center
2675 University Avenue
St. Paul, Minnesota 55114

MISSISSIPPI

Water resources office:

STATE BOARD OF WATER COMMISSIONERS
416 N. State Street
Jackson, Mississippi 39201
601-354-7236

Research institute:

MISSISSIPPI STATE UNIVERSITY
Water Resources Research Institute
State College, Mississippi 39762

MISSOURI

Water resources office:

DEPARTMENT OF NATURAL RESOURCES
P.O. Box 176
Jefferson City, Missouri 65101
314-751-3418

Research institute:

UNIVERSITY OF MISSOURI
Water Resources Research Center
424 Clark Hall
Columbia, Missouri 65201

MONTANA

Water resources office:

DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
32 S. Ewing Street
Helena, Montana 59601
406-449-2872

Research institute:

MONTANA JOINT UNIVERSITY WATER RESOURCES RESEARCH CENTER
Montana State University
Bozeman, Montana 59715

WATER - STATE AGENCIES

NEBRASKA

Water resources office:

DEPARTMENT OF WATER RESOURCES
Lincoln, Nebraska 68509
402-471-2363

Research institute:

UNIVERSITY OF NEBRASKA
Nebraska Water Resources Research Institute
212 Agricultural Engineering
Lincoln, Nebraska 68503

NEVADA

Water resources office:

DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
Division of Water Resources
Nye Building
Carson City, Nevada 89710
702-885-4380

Research institute:

UNIVERSITY OF NEVADA SYSTEM
Desert Research Institute
Center for Water Resources Research
Reno, Nevada 89507

NEW HAMPSHIRE

Water resources office:

WATER RESOURCES BOARD
37 Pleasant Street
Concord, New Hampshire 03301
603-271-3406

Research institute:

UNIVERSITY OF NEW HAMPSHIRE
Water Resources Research Center
108 Pettee Hall
Durham, New Hampshire 03824

NEW JERSEY

Water resources office:

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Division of Water Resources
P.O. Box 1390
Trenton, New Jersey 08625
609-292-2203

Research institute:

RUTGERS UNIVERSITY
Water Resources Research Institute
New Brunswick, New Jersey 08903

NEW MEXICO

Water resources office:

STATE ENGINEER OFFICE
Bataan Memorial Building
Santa Fe, New Mexico 87503
505-827-2127
The State Engineer is secretary of the Interstate Stream Commission.

Research institute:

NEW MEXICO STATE UNIVERSITY
Water Resources Research Institute
P.O. Box 3167
Las Cruces, New Mexico 88001

NEW YORK

Water resources office:

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
50 Wolf Road
Albany, New York 12233
518-457-2390

Research institute:

CORNELL UNIVERSITY
Water Resources and Marine Sciences Center
468 Hollister Hall
Ithaca, New York 14850

WATER - STATE AGENCIES

NORTH CAROLINA

Water resources office:

DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES
P.O. Box 27687
Raleigh, North Carolina 27611
919-733-4984

Research institute:

NORTH CAROLINA STATE UNIVERSITY
Water Resources Research Institute
124 Riddick Building
Raleigh, North Carolina 27607

NORTH DAKOTA

Water resources office:

WATER COMMISSION
Bismarck, North Dakota 58505
701-224-2750

Research institute:

NORTH DAKOTA STATE UNIVERSITY
Water Resources Research Institute
Fargo, North Dakota 58102

OHIO

Water resources office:

DEPARTMENT OF NATURAL RESOURCES
Fountain Square
Columbus, Ohio 43224
614-466-3066

Research institute:

OHIO STATE UNIVERSITY
Water Resources Center
1791 Neil Avenue
Columbus, Ohio 43210

OKLAHOMA

Water resources office:

WATER RESOURCES BOARD
2241 N.W. 40th Street
Oklahoma City, Oklahoma 73112
405-528-7800

Research institute:

OKLAHOMA STATE UNIVERSITY
Water Resources Research Institute
Stillwater, Oklahoma 74074

OREGON

Water resources office:

WATER RESOURCES DEPARTMENT
555 13th Street, N.E.
Salem, Oregon 97310

Research institute:

OREGON STATE UNIVERSITY
Water Resources Research Institite
Corvallis, Oregon 97331

PENNSYLVANIA

Water resources office:

DEPARTMENT OF ENVIRONMENTAL RESOURCES
P.O. Box 1467
Harrisburg, Pennsylvania 17120
717-787-1323

Research institute:

PENNSYLVANIA STATE UNIVERSITY
Institute for Research on Land and Water Resources
University Park, Pennsylvania 16802

WATER - STATE AGENCIES

PUERTO RICO

Water resources office:

DEPARTMENT OF PUBLIC WORKS
P.O. Box 8218
San Juan, Puerto Rico 00910

Research institute:

UNIVERSITY OF PUERTO RICO
Water Resources Research Institute
Mayaguez, Puerto Rico 00708

RHODE ISLAND

Water resources office:

WATER RESOURCES BOARD
265 Melrose Street
Providence, Rhode Island 02907
401-277-2217

Research institute:

UNIVERSITY OF RHODE ISLAND
Rhode Island Water Resources Center
Kingston, Rhode Island 02881

SOUTH CAROLINA

Water resources office:

WATER RESOURCES COMMISSION
P.O. Box 4515
Columbia, South Carolina 29240
803-758-2514

Research institute:

CLEMSON UNIVERSITY
Water Resources Research Institute
Clemson, South Carolina 29631

SOUTH DAKOTA

Water resources office:

DEPARTMENT OF NATURAL RESOURCE DEVELOPMENT
Joe Foss Office Building
Pierre, South Dakota 57501
605-224-3151

Research institute:

SOUTH DAKOTA STATE UNIVERSITY
South Dakota Water Resources Institute
Brookings, South Dakota 57006

TENNESSEE

Water resources office:

DEPARTMENT OF CONSERVATION
2611 West End Avenue
Nashville, Tennessee 37203
615-741-2301

Research institute:

UNIVERSITY OF TENNESSEE
Water Resources Research Center
White Avenue Building
Knoxville, Tennessee 37916

TEXAS

Water resources office:

DEPARTMENT OF WATER RESOURCES
P.O. Box 13087, Capitol Station
Austin, Texas 78711
512-475-3187

Research institute:

TEXAS A & M UNIVERSITY
Water Resources Institute
College Station, Texas 77843

See also: University of Texas, below.

UTAH

Water resources office:

DEPARTMENT OF NATURAL RESOURCES
Division of Water Resources
435 State Capitol Building
Salt Lake City, Utah 84114
801-533-5401

Research institute:

UTAH STATE UNIVERSITY
Utah Water Research Laboratory
UMC-82
Logan, Utah 84322

VERMONT

Water resources office:

AGENCY OF ENVIRONMENTAL CONSERVATION
Department of Water Resources
Montpelier, Vermont 05602
802-828-3357

Research institute:

UNIVERSITY OF VERMONT
Water Resources Research Center
Burlington, Vermont 05401

VIRGIN ISLANDS

Research institute:

COLLEGE OF THE VIRGIN ISLANDS
Caribbean Research Institute
Water Resources Research Center
St. Thomas, Virgin Islands 00801

VIRGINIA

Water resources office:

STATE WATER CONTROL BOARD
P.O. Box 11143
Richmond, Virginia 23230
804-786-1411

Research institute:

VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
Water Resources Research Center
Blacksburg, Virginia 24061

WATER - STATE AGENCIES

WASHINGTON

Water resources office:

DEPARTMENT OF ECOLOGY
Olympia, Washington 98504
206-753-2800

Research institute:

STATE OF WASHINGTON WATER RESEARCH CENTER
Washington State University
Pullman, Washington 99163

WEST VIRGINIA

Water resources office:

DEPARTMENT OF NATURAL RESOURCES
1800 Washington Street, East
Charleston, West Virginia 25305
304-348-2107

Research institute:

WEST VIRGINIA UNIVERSITY
Water Research Institute
17 Grant Avenue
Morgantown, West Virginia 26506

WISCONSIN

Water resources office:

DEPARTMENT OF NATURAL RESOURCES
P.O. Box 7921
Madison, Wisconsin 53707
608-266-2621

Research institute:

UNIVERSITY OF WISCONSIN
Water Resources Center
1975 Willows Drive
Madison, Wisconsin 53706

WYOMING

Water resources office:

DEPARTMENT OF ECONOMIC PLANNING AND DEVELOPMENT
Barrett Building
Cheyenne, Wyoming 82002
307-777-7284

Research institute:

UNIVERSITY OF WYOMING
Water Resources Research Institute
P.O. Box 3038, University Station
Laramie, Wyoming 82070

OTHER ORGANIZATIONS

AMERICAN METEOROLOGICAL SOCIETY
45 Beacon Street
Boston, Massachusetts 02108
617-227-2425

Executive Director: Kenneth C. Spengler

Professional organization concerned with weather and weather forecasting. Pub.: Bulletin of the American Meteorological Society, monthly. Journal of the Atmospheric Sciences, monthly. Journal of Applied Meteorology, monthly. Monthly Weather Review. Meteorological and Geoastrophysical Abstracts, monthly. Monographs, bibliographies, films, and conference proceedings. Catalog.

AMERICAN PUBLIC WORKS ASSOCIATION (APWA)
1313 E. 60th Street
Chicago, Illinois 60637
312-947-2520

Executive Director: Robert D. Bugher

A professional organization of public works officials, including those concerned with water resource development. Pub.: APWA Reporter, monthly. Newsletter, Institute for Municipal Engineering, quarterly.

AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE)
345 E. 47th Street
New York, New York 10017
212-752-6800

Executive Director: Eugene Zwoyer

National professional organization of civil engineers. Conducts policy studies, research, conferences, continuing education programs, and projects to improve technology. Technical divisions and committees include a Hydraulics Division, a Power Division, and a Technical Council on Water Resources Planning and Management.

Pub.: Civil Engineering Magazine, monthly. Power Journal, quarterly. Power Newsletter, quarterly.

AMERICAN WATER RESOURCES ASSOCIATION (AWRA)
St. Anthony Falls Hydraulic Laboratory
Mississippi River at Third Street
Minneapolis, Minnesota 55414
612-376-5050

A national scientific organization established to encourage and foster interdisciplinary communication among professionals of diverse backgrounds working on all aspects of water resources problems. Annual meeting.

Pub.: Water Resources Bulletin, bimonthly. HYDATA: Water Resources Index, monthly. Water Resources Abstracts, monthly. Proceedings of annual meeting.

AMERICAN WATER WORKS ASSOCIATION (AWWA)
6666 W. Quincy Avenue
Denver, Colorado 80235
303-794-7711

Executive Director: Eric F. Johnson

Concerned primarily with water supply, this scientific and educational society also collects hydrologic data for water resources planning and acts as a clearinghouse on energy-related water problems. Pub.: Journal American Water Works Association, monthly. Technical reports; manuals; standards.

WATER - OTHER ORGANIZATIONS

INTERNATIONAL ASSOCIATION OF HYDROLOGICAL SCIENCES
1909 K Street, N.W.
Washington, D.C. 20006

Promotes the study of hydrology. Pub.: Hydrological Sciences Bulletin, quarterly. Technical papers and conference proceedings.

NATIONAL WATER RESOURCES ASSOCIATION (NWRA)
955 L'Enfant Plaza North, S.W.
Washington, D.C. 20024
202-488-0610

Executive Director: J.W. "Pat" O'Meara

An organization of irrigation and conservation districts and municipalities concerned with the use of water and related land resources. Hydroelectric power is among its interests. Pub.: Water Life, monthly.

TECHNOCRACY, INC.
Savannah, Ohio 44874
419-962-4712

Continental Director: John T. Spitler

Proposes a new social system for North America which embodies the most efficient utilization of energy and material resources and includes a "Continental Hydrology" plan to make "complete use of hydroelectric power potential because it is far more efficient than thermal." Regional divisions. Pub.: The Technocrat, quarterly. Technocracy - Technological Social Design, booklet.

UNIVERSITY OF TEXAS
Center for Research in Water Resources
10100 Burnet Road
Austin, Texas 78758
512-836-0440, Ext. 254

Director: Leo R. Beard

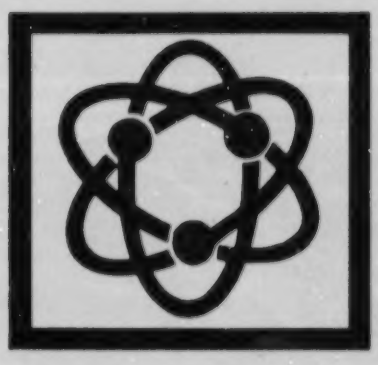
Major program of research, including projects related to hydroelectric power, e.g., "Water Resource System Management for Increased Power Production." Pub.: CRWR News, 5 times a year. Technical reports; proceedings of symposia.

WATER RESOURCES CONGRESS
955 L'Enfant Plaza North, S.W.
Washington, D.C. 20024
202-488-0068

Executive Vice President: E. Michael Cassady

National organization formed to "inspire greater public concern and interest in the nation's urgently-needed water resources development program." Promotes federal support for water resources development and planning, and intensified scientific research in such areas as weather modification. Pub.: Washington Report, monthly. Platform, annual.

5. Nuclear Fission



Federal Agencies, page 130
State Agencies, page 133
Other Organizations, page 136
Nuclear Power Plants, page 141

Included in this chapter are organizations concerned with the hazards of radioactive materials used in nuclear power plants, as well as groups that promote development of nuclear fission energy. See pages 147-160 for organizations involved in research on nuclear fusion (the process of joining atoms, the opposite of nuclear fission, the splitting of an atom).

NUCLEAR - FEDERAL AGENCIES

FEDERAL AGENCIES

COUNCIL ON ENVIRONMENTAL QUALITY (CEQ)
722 Jackson Place, N.W.
Washington, D.C. 20006
202-383-1415

Chairman: Charles Warren

Part of the Executive Office of the President; see more detailed description in Chapter 9. Concerns include the environmental aspects of nuclear power development, particularly disposal of nuclear waste and proposals for offshore nuclear generating stations.

DEPARTMENT OF ENERGY (DOE)
Washington, D.C. 20545
202-252-5000 (Information)

Secretary of Energy: James R. Schlesinger
Assistant Secretary for Resource Applications: George S. McIsaac (Designate)
Assistant Secretary for Energy Technology: Robert D. Thorne (Acting)
Director, Office of Nuclear Energy Programs: George Cunningham
Assistant Secretary for Environment: James L. Liverman

For a general description of the Department of Energy, see Chapter 1. Nuclear fusion research programs are described in Chapter 6, Alternate Sources.

DOE has taken over the operating and developmental functions in the nuclear energy field of the former Energy Research and Development Administration (before ERDA was created, those functions were handled by the former Atomic Energy Commission). Nuclear licensing and regulatory functions are handled by the Nuclear Egulatory Commission.

DOE nuclear fission programs include: supply of uranium concentrates and other raw materials; production and management of fissionable materials; development of nuclear reactors for civilian use, including safety research, and the development of the first liquid metal fast breeder reactor.

They also include applied research and development in biological, medical, physical, environmental, and engineering sciences; development and application of systems to detect and prevent the loss or diversion of nuclear materials; and sponsorship of training in the interest of developing atomic energy uses.

Policy development and program coordination are carried out mainly at the Washington, D.C. headquarters and at nearby Germantown, Maryland. Operations are performed largely by industrial concerns and public and private institutions under contracts administered by the Department's Operations Offices (listed below).

Within the Department, the Assistant Secretary for Resource Applications is responsible for uranium enrichment and research on the uranium enrichment process; uranium resource assessment; and voluntary and incentive programs to increase domestic supplies of uranium.

The Assistant Secretary for Energy Technology, primarily through the Office of Nuclear Energy Programs, is responsible for nuclear research, development, and technology demonstration. Its programs include: Water Cooled Breeder Reactors; Gas Cooled Breeder Reactors; Gas Cooled Thermal Reactors; Technology Development and Special Projects; Space Applications; Nuclear Energy Assessments; Light Water Reactor Technology; Advanced Isotope Separation Technology; breeder reactor facilities, and naval reactor development. It is also responsible for support of nuclear fuel cycle waste management for commercial reactors, including facilities for a National Terminal Waste Storage Program.

The Assistant Secretary for Environment is responsible for light water reactor safety facilities.

NUCLEAR - FEDERAL AGENCIES

Operations Offices, Department of Energy:

+Chicago Operations Office, DOE
9800 S. Cass Avenue
Argonne, Illinois 60439
312-739-7711

Manager: Robert H. Bauer

+Idaho Operations Office, DOE
550 Second Street
Idaho Falls, Idaho 83401
208-526-0111

Manager: Charles E. Williams

+Oak Ridge Operations Office, DOE
P.O. Box E
Oak Ridge, Tennessee 37830
615-483-8611

Manager: Robert J. Hart

+Richland Operations Office, DOE
P.O. Box 550
Richland, Washington 99352
509-942-7411

Manager: Alex G. Fremling

+San Francisco Operations Office, DOE
1333 Broadway
Oakland, California 94612
415-273-7881

Manager: Robert D. Thorne

+Savannah River Operations Office, DOE
P.O. Box A
Aiken, South Carolina 29801
803-824-6331

Manager: Nathaniel Stetson

Note: Operations Offices at Albuquerque and Las Vegas are concerned exclusively with nuclear weapons matters.

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE (HEW)
Washington, D.C. 20852

Secretary of Health, Education, and Welfare: Joseph A. Califano, Jr.

+FOOD AND DRUG ADMINISTRATION (FDA)
Rockville, Maryland 20852

Commissioner: Donald Kennedy

++Bureau of Radiological Health

Director: John C. Villforth

Develops standards for safe limits of radiation exposure and methodology for controlling radiation exposures. Cooperates with the U.S. Environmental Protection Agency (see below) in establishing radiation criteria, standards, guidelines, and policies.

ENVIRONMENTAL PROTECTION AGENCY (EPA)
Washington, D.C. 20460
202-755-2673 (Information)

Administrator: Douglas M. Costle
Assistant Administrator for Air and Waste Management: Edward F. Tuerk (Acting)

+OFFICE OF RADIATION PROGRAMS
202-755-4894

Deputy Assistant Administrator for Radiation Programs: W.D. Rowe

EPA has the basic responsibility to protect the public from adverse effects of ionizing and nonionizing radiation. The Office of Radiation Programs is responsible for:

-- Establishing generally applicable environmental radiation standards for the protection of the general public from radioactive materials;

-- Performing research, development, surveillance, and inspection, and providing assistance to states and training and

NUCLEAR - FEDERAL AGENCIES

research grants.

-- Advising the President about radiation matters directly or indirectly affecting health, including guidance for all federal agencies in the formulation of radiation standards and in the establishment and execution of programs in cooperation with the states.

EPA is also concerned with evaluating the environmental effects of radiation, and it is responsible for monitoring such effects.

Pub.: A list of research reports on radiation is available from: Office of Public Involvement, EPA, Washington, D.C. 20460.

Radiation Monitoring Laboratories, Environmental Protection Agency:

++Environmental Monitoring and Support Laboratory, EPA
P.O. Box 15027
Las Vegas, Nevada 89114
702-736-2969

Covers the Western U.S.

++Eastern Environmental Radiation Facility, EPA
P.O. Box 61
Montgomery, Alabama 36101
205-534-7615

Covers the Eastern U.S.

NUCLEAR REGULATORY COMMISSION (NRC)
1717 H Street, N.W.
Washington, D.C. 20555
301-492-7000

Chairman: Marcus A. Rowden
Commissioner: Victor Gilinsky
Commissioner: Richard T. Kennedy
Commissioner: (Vacancy)
Commissioner: (Vacancy)
Director, Office of Standards Development: Robert B. Minogue
Director, Office of Nuclear Material Safety and Safeguards: Clifford V. Smith, Jr. (Acting)
Director, Office of Nuclear Reactor Regulation: (Vacancy)
Director, Office of Nuclear Regulatory Research: Saul Levine
Director, Office of Inspection and Enforcement: Ernst Volgenau

NRC, established in 1974, took over the licensing and regulatory functions of the former Atomic Energy Commission. Its purposes are to assure that the civilian uses of nuclear materials and facilities are conducted in a manner consistent with the public health and safety, environmental quality, national security, and the antitrust laws. Most of its activities relate to nuclear electric generating plants.

The Commission licenses the construction and operation of nuclear reactors and other nuclear facilities and the possession, use, processing, transport, handling, and disposal of nuclear materials. It regulates licensed activities, including assurance that measures are taken for the physical protection of facilities and materials; develops and implements the rules and regulations governing licensed nuclear activities; conducts public hearings on radiological safety, environmental, and related matters; contracts for research necessary for carrying out its functions; and is conducting surveys dealing with the feasibility of a NRC Security Agency for safeguarding mixed oxide fuels in light water reactors.

NRC is also responsible for developing effective working relationships with the states, as well as foreign governments, regarding the regulation of nuclear energy, including the assurance that adequate regulatory programs are maintained by states which exercise, by agreement with the Commission, regulatory control over certain nuclear materials activities within their boundaries. As of 1977, 25 states had been granted such regulatory authority (see State Agencies section, below).

Inspection of NRC-licensed activities is carried out from five regional offices, listed below.

Pub.: NRC activities are summarized in its Annual Report. A Report to Congress on Abnormal Occurrences is issued quarterly. Other periodicals include: Monthly Inspection Summary Report. Construction Status of Nuclear Power Plants, monthly. Nuclear Regulatory Commission Issuances, monthly. Also published are scientific and technical reports, a series of Regulatory Guides, the Standard Review Plan, Safety Evaluation Reports, and environmental impact statements. A detailed publications list is available.

Regional Offices, Nuclear Regulatory Commission:

+Region I Office, NRC
631 Park Avenue
King of Prussia, Pennsylvania 19406
215-337-1150

Regional Director: Boyce H. Grier

+Region II Office, NRC
230 Peachtree Street, N.W.
Atlanta, Georgia 30303
404-221-4503

Regional Director: James P. O'Reilly

+Region III Office, NRC
799 Roosevelt Road
Glen Ellyn, Illinois 60137
312-858-2660

Regional Director: James G. Keppler

+Region IV Office, NRC
611 Ryan Plaza Drive
Arlington, Texas 76011
817-334-2841

Regional Director: E. Morris Howard

+Region V Office, NRC
1990 N. California Boulevard
Walnut Creek, California 94596
415-486-3141

Regional Director: Robert H. Engelken

STATE AGENCIES

Following are the responsible agencies in the 25 states in which the federal Nuclear Regulatory Commission has delegated authority over certain nuclear materials (see NRC entry, above). The general state energy agencies listed in Chapter 1 of this book are concerned with nuclear energy development. In states other than the "agreement states" listed below, the state health department usually has responsibility for environmental radiation matters.

ALABAMA

ALABAMA ENVIRONMENTAL HEALTH ADMINISTRATION
Division of Radiological Health
State Office Building, Room 314
Montgomery, Alabama 36104
205-832-5992

Director: Aubrey Godwin

ARIZONA

ARIZONA ATOMIC ENERGY COMMISSION
1601 W. Jefferson Street
Phoenix, Arizona 85007
602-271-4845

Executive Director: Donald C. Gilbert

ARKANSAS

ARKANSAS DEPARTMENT OF HEALTH
Division of Radiological Health
4815 W. Markham
Little Rock, Arkansas 72201
501-661-2301

Director: David D. Snellings, Jr.

CALIFORNIA

CALIFORNIA DEPARTMENT OF HEALTH
Radiologic Health Section
714 P Street, Room 498
Sacramento, California 95814
916-445-0931

Chief: Joe Ward

NUCLEAR - STATE AGENCIES

COLORADO

COLORADO DEPARTMENT OF PUBLIC HEALTH
Occupational and Radiological Health Division
4210 E. 11th Avenue
Denver, Colorado 80220
303-388-6111, Ext. 246

Director: Albert J. Hazle

FLORIDA

FLORIDA DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES
Radiological Health Program
1323 Winewood Boulevard
Tallahassee, Florida 32301
904-487-1004

Administrator: Ulray Clark

GEORGIA

GEORGIA DEPARTMENT OF HUMAN RESOURCES
Radiological Health Unit
47 Trinity Avenue
Atlanta, Georgia 30334
404-894-5795

Director: Richard H. Fetz

IDAHO

IDAHO DEPARTMENT OF HEALTH AND WELFARE
Radiation Control Section
Statehouse
Boise, Idaho 83720
208-384-3335

Supervisor: Michael Christie

KANSAS

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
Bureau of Radiation Control
Forbes AFB, Building 740
Topeka, Kansas 66620
913-296-3821

Director: Gerald W. Allen

KENTUCKY

KENTUCKY DEPARTMENT FOR HUMAN RESOURCES
Radiation Control Branch
275 E. Main Street
Frankfort, Kentucky 40601
502-564-3700

Manager: Charles M. Hardin

LOUISIANA

LOUISIANA DEPARTMENT OF CONSERVATION
Division of Radiation Control
P.O. Box 14690
Baton Rouge, Louisiana 70808
504-389-5963

Administrator: B. Jim Porter

MARYLAND

MARYLAND DEPARTMENT OF HEALTH AND MENTAL HYGIENE
Division of Radiation Control
201 W. Preston Street
Baltimore, Maryland 21201
301-383-2744

Chief: Robert E. Corcoran

MISSISSIPPI

MISSISSIPPI STATE BOARD OF HEALTH
Radiological Health Unit
Jackson, Mississippi 39205
601-354-6657

Supervisor: Eddie S. Fuente

NEBRASKA

NEBRASKA DEPARTMENT OF HEALTH
Division of Radiological Health
1003 O Street
Lincoln, Nebraska 68509
402-471-2168

Director: Ellis Simmons

NUCLEAR - STATE AGENCIES

NEVADA

NEVADA DEPARTMENT OF HEALTH AND WELFARE
Radiological Health
Carson City, Nevada 89701
702-885-4750

Supervisor: William C. Horton

NEW HAMPSHIRE

NEW HAMPSHIRE DEPARTMENT OF HEALTH AND WELFARE
Radiation Control Agency
State Laboratory Building, Hazen Drive
Concord, New Hampshire 03301
603-271-2281

Director: John R. Stanton

NEW MEXICO

NEW MEXICO ENVIRONMENTAL IMPROVEMENT AGENCY
Occupational Health and Radiation Protection Division
P.O. Box 2348
Santa Fe, New Mexico 87501
505-827-5271, Ext. 210

Chief: Russell Rhoades

NEW YORK

NEW YORK DEPARTMENT OF COMMERCE
Division of Industrial Science
99 Washington Avenue
Albany, New York 12245
518-474-6250

Director: T.K. DeBoer

NORTH CAROLINA

NORTH CAROLINA RADIATION PROTECTION BRANCH
P.O. Box 12200
Raleigh, North Carolina 27605
919-829-4283

Head: Dayne H. Brown

NORTH DAKOTA

NORTH DAKOTA DEPARTMENT OF HEALTH
Radiological Health Program
1200 Missouri Avenue
Bismarck, North Dakota 58501
701-224-2374

Director: Gene A. Christianson

OREGON

OREGON DEPARTMENT OF HUMAN RESOURCES
Radiation Control Service
1400 S.W. Fifth Avenue
Portland, Oregon 97201
503-229-5797

Director: Marshall Parrott

SOUTH CAROLINA

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
2600 Bull Street
Columbia, South Carolina 29201
803-758-5548

Director: Heyward Shealy

TENNESSEE

TENNESSEE DEPARTMENT OF PUBLIC HEALTH
Division of Occupational and Radiological Health
727 Cordell Hull State Office Building
Nashville, Tennessee 37219
615-741-7812

Director: Robert H. Wolle

TEXAS

TEXAS DEPARTMENT OF HEALTH RESOURCES
Division of Occupational Health and Radiation Control
Austin, Texas 78756
512-454-3781, Ext. 241

Director: Martin C. Wukasch

WASHINGTON

WASHINGTON STATE DEPARTMENT OF SOCIAL AND HEALTH SERVICES
Radiation Control Unit
Olympia, Washington 98501
206-753-3459

Supervisor: Robert C. Will

OTHER ORGANIZATIONS

Many of the citizens' groups listed in Chapter 1, General, and Chapter 9, Environmental Impacts, are actively concerned with nuclear energy issues.

AMERICAN BAR ASSOCIATION (ABA)
Special Committee on Atomic Energy Law
1155 E. 60th Street
Chicago, Illinois 60637
312-947-4000

Chairman: John Robb

AMERICAN MINING CONGRESS (AMC)
1200 18th Street, N.W., Suite 1100
Washington, D.C. 20036
202-331-8900

Concerns include uranium mining; maintains a Uranium Advisory Council.

AMERICAN NUCLEAR ENERGY COUNCIL
1750 K Street, N.W., Suite 300
Washington, D.C. 20006
202-296-4520

President: Craig Hosmer

Established in 1975 as a lobbying organization for the nuclear industry. Publications are not issued to the public.

AMERICAN NUCLEAR SOCIETY (ANS)
555 N. Kensington Avenue
La Grange Park, Illinois 60525
312-352-6611

President: Joseph R. Dietrich
Executive Director: Octave J. Du Temple

ANS is an international society of some 10,000 nuclear scientists and engineers. It is concerned with the advancement of science and engineering relating to the atomic nucleus, and of allied sciences and arts. Encourages research; sponsors scholarships; technical meetings.

The Society is organized into various divisions and technical groups, including the Divisions of Education, Environmental Sciences, Isotopes and Radiation, Materials Science and Technology, Nuclear Critical Safety, Nuclear Fuel Cycle, Power, Reactor Operations, Reactor Physics, Controlled Nuclear Fission, and Nuclear Reactor Safety. There are local sections in most states.

Pub.: An annual catalog of publications is issued. Major titles include: Nuclear News, monthly (with three or more special issues per year). Nuclear Power and the Environment: Questions and Answers (64 p. booklet). Nuclear Science and Engineering, a monthly journal covering fundamental research. Nuclear Technology, a monthly journal concerned with applications. Transactions, biennial, containing summaries of all papers presented at national ANS meetings. ANSPI/Activity-News-Services of Public Information, monthly newsletter listing ANS public information activities and new publications.

ANS maintains the Information Center on Nuclear Standards (ICONS) to provide up-to-date nuclear standards information on the various national, foreign, and international bodies involved in developing such standards.

In cooperation with the Smithsonian Science Information Exchange, ANS maintains the Nuclear Research Information Center (NRIC), which provides prepublication descriptions of nuclear research projects.

AMERICAN PUBLIC HEALTH ASSOCIATION (APHA)
1015 18th Street, N.W.
Washington, D.C. 20036
202-467-5000

Executive Director: William H. McBeath
Chairman, Radiological Health Section: Gerald Jacobson

NUCLEAR - OTHER ORGANIZATIONS

Professional organization whose concerns include radiological health. Pub.: American Journal of Public Health, monthly.

ATOMIC INDUSTRIAL FORUM, INC. (AIF)
7101 Wisconsin Avenue
Washington, D.C. 20014
301-654-9260

President: Carl Walske
Vice President, Technical Department (Environment, Safety, and Energy): Howard J. Larson

A national association of organizations interested in the peaceful applications of nuclear energy. Its approximately 600 organization members are located in 24 countries and include utilities, manufacturers, architect-engineer-constructors, service companies, financial institutions, mining and milling companies, consultants, universities, labor unions, government agencies, and national laboratories.

AIF is divided into various committees, including Breeder Policy, Council on Education for the Nuclear Industry, Environment, Financial Considerations, Fusion, Fuel Cycle Policy, Insurance and Indemnity, Isotope Production and Distribution, Lawyers, Mining and Milling, Nuclear Export Policy, Public Affairs and Information, Reactor Licensing and Safety, Radioisotopes, and Radiopharmaceuticals.

Major activities include developing recommendations on licensing policies and procedures, including those in the area of reactor safety, and encouraging more uniform procedures for quality assurance in the nuclear industry, improvements in nuclear power plant design, construction, and operation, and addressing major national energy policy concerns such as radioactive waste handling, reprocessing of spent fuel, safeguarding of nuclear materials, financing the nuclear industry, and nuclear exports. Dealing with federal environmental requirements is also an important concern. The Forum's National Environmental Studies Project (NESP) provides its members with technical information useful in meeting the licensing requirements of the NRC.

Pub.: A list of publications is available. Periodicals include: INFO, a monthly newsletter designed for the communications media. Nuclear Industry, monthly, a magazine for corporate and individual AIF members.

The Annual Report describes AIF programs in detail, and includes a list of member organizations and committee officers. Conference proceedings include: Proceedings from International Conference on Uranium (1976). Conference on Transportation for the Nuclear Industry (1976). Conference on Nuclear Safeguards (1976). Summary Report, Fuel Cycle Conference (1976). Proceedings of AIF Seminar on Government Regulation of Nuclear Power: Impact of Environmental Requirements on Facility Design and Operation (1976).

Other reports include: Land Use and Nuclear Facility Siting: Current Issues (1976). Fusion Power Development and Commercial Prospects (1976). Reactor Licensing and Safety (1976). An Annotated Bibliography: Social and Economic Factors with Electric Power Generating Stations (1976). A Guide to Information Resources for Nuclear Environmental Reporting (1977).

CALIFORNIANS FOR NUCLEAR SAFEGUARDS (CNS)
6308 Woodman Avenue, Suite 203
Van Nuys, California 91401

Chairman: David Pesonen

A coalition of five organizations (Another Mother for Peace, California Citizen Action Group, Friends of the Earth, Project Survival, and the Sierra Club) formed to promote a nuclear safeguards initiative on the 1976 California ballot which failed to pass; continues to work on California nuclear issues, as well as other energy matters in the state.

CENTER FOR THE STUDY OF RESPONSIVE LAW
P.O. Box 19367
Washington, D.C. 20036
202-833-3400

Director: Ruth Fort

NUCLEAR - OTHER ORGANIZATIONS

Administrative action and litigation on nuclear power issues. Part of Ralph Nader's network.

CENTRAL PENNSYLVANIA COMMITTEE ON NUCLEAR POWER
c/o Mrs. Judith Johnsrud
433 Orlando Avenue
State College, Pennsylvania 16801

Concerned with the hazards of nuclear power.

CITIZEN ALERT
P.O. Box 5731
Reno, Nevada 89513

Concerned with nuclear activities in Nevada.

CITIZENS AGAINST NUCLEAR ENERGY
40 Beach Bluff Avenue
Swampscott, Massachusetts 01907

CITIZENS ENERGY COUNCIL
P.O. Box 285
Allendale, New Jersey 07401

"The most important thing in the world is to shut down nuclear fission before it shuts down our world."

CITIZENS FOR A SAFE ENVIRONMENT
P.O. Box 265
Menton, Ohio 44060

Concerned with the hazards of nuclear power.

CITIZENS FOR A SAFE ENVIRONMENT
P.O. Box 405
Harrisburg, Pennsylvania 17108
717-545-7502

Chairman: Virginia Southard
Co-Chairman: John Simon

Organized in 1971 to oppose the proliferation of nuclear power reactors in Pennsylvania.

CITIZENS FOR PARTICIPATION IN NUCLEAR ENERGY DECISIONS
483 W. Baldwin
Alpena, Michigan 49707
517-354-5294

Concerned with the hazards of nuclear power.

CITIZENS FOR SAFE POWER
P.O. Box 312
Bath, Maine 04530

Concerned with the hazards of nuclear power.

CITIZENS FOR SAFE POWER
P.O. Box 28183
San Antonio, Texas 78228

Concerned with the hazards of nuclear power.

COALITION FOR SAFE ENERGY
1406 N.E. 50th Street
Seattle, Washington 98105
206-523-7362

Concerned with the hazards of nuclear power.

COMMITTEE FOR NUCLEAR RESPONSIBILITY
P.O. Box 332
Yachats, Oregon 97498

Concerned with the hazards of nuclear power.

EDUCATIONAL FOUNDATION FOR NUCLEAR SCIENCE
Kent Chemical Laboratory
1020 E. 58th Street
Chicago, Illinois 60637
312-363-5225

Editor, Bulletin of the Atomic Scientists: Samuel H. Day, Jr.

Publishes Bulletin of the Atomic Scientists, a monthly journal which attempts to analyze and publicize aspects of society and technology which lead or seem to lead to a crisis for man. Nuclear energy is the major area of concentration. Also has issued All in Our Time: The Reminiscences of Twelve Nuclear Pioneers.

ENVIRONMENTAL COALITION ON NUCLEAR POWER
433 Orlando Avenue
State College, Pennsylvania 16801

Goal is a complete moratorium on construction and operation of nuclear fission power plants. Pub.: Newsletter, monthly.

NUCLEAR - OTHER ORGANIZATIONS

INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT
Seton Hall
Kansas State University
Manhattan, Kansas 66502

Professional organization of individuals who work in nuclear materials management in government, industry, and the academic community. Pub.: Nuclear Materials Management, quarterly.

JOINT STRATEGY AND ACTION COMMITTEE (JSAC)
475 Riverside Drive
New York, New York 10027
212-870-3105

A coalition of national mission agencies of the major Protestant denominations. Nuclear energy has been among its concerns. Pub.: Grapevine, monthly newsletter (February 1976 issue was devoted entirely to nuclear issues).

KERN COUNTY CITIZENS FOR A BETTER ALTERNATIVE
5101 Ojai Drive
Bakersfield, California 93306
805-871-1736

Coordinator: Fred Lane

Organized to promote an alternative to a proposed major nuclear power plant near Wasco, California.

LEAGUE AGAINST NUCLEAR DANGERS (LAND)
Route 1
Rudolph, Wisconsin 54475
715-423-7996

Director: Naomi Jacobsen

Purposes are "to inform citizens of the inherent hazards of nuclear fission." Legislative action; distributes reprints.

MAPLETON INTERVENORS
Route 10
Midland, Michigan 48640
517-496-3097

President: Wendell H. Marshall

Concerned with the hazards of nuclear power.

NATIONAL COUNCIL OF CHURCHES (NCC)
Division of Church and Society
475 Riverside Drive, Room 572
New York, New York 10027

Nuclear energy has been among its concerns; materials have been published on the "plutonium economy."

NATIONAL COUNCIL ON RADIATION PROTECTION AND MEASUREMENTS (NCRP)
7910 Woodmont Avenue, Suite 1016
Washington, D.C. 20014
301-657-2652

Executive Director: W.R. Ney

Members represent some 30 scientific, technical, and professional associations, and U.S. Government agencies, concerned with radiation. Purposes are "to collect, analyze, develop and disseminate in the public interest information and recommendations about (a) protection against radiation..., and (b) radiation measurements, quantities, and units, particularly those concerned with radiation protection."

Maintains 55 scientific committees, including Committee 41, Radiation Resulting from Nuclear Power Generation. Pub.: technical reports.

NATIONAL INTERVENORS
332 Sixth Street, S.E.
Washington, D.C. 20003
202-543-1642

Executive Director: John Blatt

NUCLEAR - OTHER ORGANIZATIONS

A coalition of 156 environmental and other citizen groups opposed to nuclear power. Public information; administrative action. Pub.: National Intervenors Newsletter, monthly.

NEW ENGLAND COALITION ON NUCLEAR POLLUTION (NECNP)
P.O. Box 637
Brattleboro, Vermont 05301
802-257-0336

President: Sylvia S. Field

Formed in 1971 to oppose nuclear power plants in the region. Public information; intervention in federal licensing process. Pub.: NECNP Newsletter, monthly. Films, slides, and lectures.

NUCLEAR ENERGY LIABILITY PROPERTY INSURANCE ASSOCIATION (NEL-PIA)
The Exchange Building, Building 3, Loft A, Suite 323
Farmington Avenue
Farmington, Connecticut 06032

PUBLIC CITIZEN
133 C Street, S.E.
Washington, D.C. 20003

Formed by Ralph Nader to support the work of citizen advocate groups; nuclear power safety has been a major concern. Publications include The Cost of Nuclear Power: A Citizen's Manual (1976). The Center for the Study of Responsive Law (see above) is affiliated.

RADIATION RESEARCH SOCIETY (RRS)
4720 Montgomery Lane, Suite 506
Bethesda, Maryland 20014
301-654-3080

Promotes radiation research in all areas of the natural sciences; facilitates cooperative research among the disciplines of physics, chemistry, biology, and medicine in the study of the properties and effects of radiation. Pub.: Newsletter, bimonthly. Radiation Research Journal.

RHODE ISLANDERS FOR SAFE POWER
c/o Paul Ladd
P.O. Box 69
Saunderstown, Rhode Island 02879

Concerned with the hazards of nuclear power.

SAGINAW VALLEY NUCLEAR STUDY GROUP
5711 Summerset
Midland, Michigan 48640

Concerned with the hazards of nuclear power.

SANE - A CITIZENS' ORGANIZATION FOR A SANE WORLD
318 Massachusetts Avenue, N.E.
Washington, D.C. 20037
202-546-4868

Executive Director: David Cortright
Staff Associate (energy matters): Michael Mawby

Organized in 1958 primarily to work against nuclear weapons and for reduction of arms worldwide, SANE also opposes "the spread of nuclear power where it threatens nuclear proliferation" for military purposes. Pub.: Sane World, monthly.

TASK FORCE AGAINST NUCLEAR POLLUTION
P.O. Box 1817
Washington, D.C. 20013

Opposes nuclear fission power.

UNION OF CONCERNED SCIENTISTS (UCS)
1208 Massachusetts Avenue
Cambridge, Massachusetts 02138
617-547-5552

Executive Director: Daniel F. Ford

UCS is a prominent, "independent, nonprofit group of scientists and engineers who have spent several years conducting research into nuclear power safety questions," concerned with the "flaws in the U.S. nuclear power program." MIT Professor Henry Kendall was among its organizers. Technical and policy research; public information. Pub.: Policy reports (list available).

NUCLEAR - POWER PLANTS

NUCLEAR POWER PLANTS

As of January 1, 1977, according to Atomic Industrial Forum, Inc., there were 64 operable central station nuclear power plants in the United States with a total generating capacity of 45,455 megawatts (1 megawatt is one million watts). 72 other reactors for electric power generation were under construction (total capacity, 76,224 megawatts); 19 had "limited work authorizations" (20,286 megawatts); and 65 reactors were on order (totaling 74,507 megawatts - four of these units are not shown on the map, below). In addition, letters of intent had been filed, or options made, on another 8 stations (four of which are not shown on the map).

The following list is limited to nuclear power plants in operation or licensed to operate as of January 1, 1977; for each plant are shown the date it became operable and the generating capacity:

ALABAMA

TENNESSEE VALLEY AUTHORITY
Chatanooga, Tennessee 37401

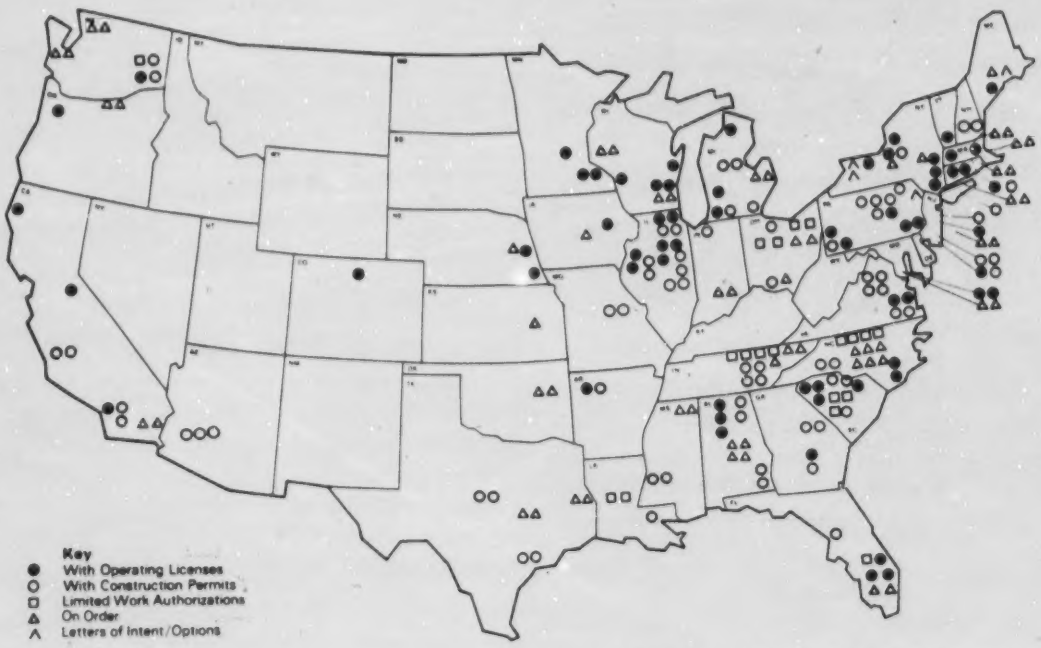
Operates Browns Ferry units 1, 2, and 3 at Decatur, each with 1,067 megawatts capacity, which became operable in 1973. 1974, and 1976, respectively.

ARKANSAS

ARKANSAS POWER & LIGHT COMPANY
P.O. Box 551
Little Rock, Arkansas 72203

Operates Arkansas Nuclear One at Russellville, 850 MWe, 1974.

CENTRAL STATION NUCLEAR POWER PLANTS IN THE UNITED STATES



Source: Atomic Industrial Forum, Inc.

NUCLEAR - POWER PLANTS

CALIFORNIA

PACIFIC GAS & ELECTRIC COMPANY
77 Beale Street
San Francisco, California 94106

Operates Humboldt Bay at Humboldt Bay (near Eureka), 63 MWe, 1963.

SACRAMENTO MUNICIPAL UTILITY DISTRICT
P.O. Box 15830
Sacramento, California 95813

Rancho Seco 1, Clay Station, 913 MWe, 1974.

SOUTHERN CALIFORNIA EDISON COMPANY
P.O. Box 800
Rosemead, California 91770

San Onofre 1, near San Clemente, 430 MWe, 1967.

COLORADO

PUBLIC SERVICE COMPANY OF COLORADO
P.O. Box 840
Denver, Colorado 80201

Fort St. Vrain, Platteville, 330 MWe, 1973.

CONNECTICUT

CONNECTICUT YANKEE ATOMIC POWER COMPANY
107 Selden Street
Berlin, Connecticut 06037

Connecticut Yankee, Haddam Neck, 575 MWe, 1967.

NORTHEAST NUCLEAR ENERGY COMPANY
c/o Connecticut Light & Power Company
P.O. Box 2010
Hartford, Connecticut 06101

Millstone 1 (690 MWe, 1970), and Millstone 2 (830 MWe, 1975), both at Waterford.

FLORIDA

FLORIDA POWER & LIGHT COMPANY
P.O. Box 3100
Miami, Florida 33101

Turkey Point 3 (1972) and Turkey Point 4 (1973), both 666 MWe each, at Turkey Point.

St. Lucie 1, St. Lucie County, 802 MWe, 1976.

GEORGIA

GEORGIA POWER COMPANY
P.O. Box 4545
Atlanta, Georgia 30302

Edwin I. Hatch 1, Baxley, 786 MWe, 1974.

ILLINOIS

COMMONWEALTH EDISON COMPANY
P.O. Box 767
Chicago, Illinois 60690

Dresden 1 (200 MWe, 1959), Dresden 2 (809 MWe, 1970), Dresden 3 (809 MWe, 1971), all at Morris.

Zion 1 (1,100 MWe, 1973), Zion 2 (1,100 MWe, 1973), both at Zion.

Quad Cities 1 (809 MWe, 1972), and Quad Cities 2 (809 MWe, 1972), both at Cordova. The Quad Cities plants are partially owned by Iowa-Illinois Gas & Electric Co.

IOWA

IOWA ELECTRIC LIGHT & POWER COMPANY
P.O. Box 351
Cedar Rapids, Iowa 52406

Duane Arnold plant, 550 MWe, 1974, Cedar Rapids. Partially owned by Central Iowa Power Cooperative.

NUCLEAR - POWER PLANTS

MAINE

MAINE YANKEE ATOMIC POWER COMPANY
P.O. Box 709
Augusta, Maine 04330

Maine Yankee plant, at Wiscasset, 855 MWe, 1972.

MARYLAND

BALTIMORE GAS & ELECTRIC COMPANY
P.O. Box 1475
Baltimore, Maryland 21203

Calvert Cliffs 1 (845 MWe, 1974) and Calvert Cliffs 2 (845 MWe, 1976), both at Lusby.

MASSACHUSETTS

BOSTON EDISON COMPANY
800 Boylston Street
Boston, Massachsetts 02199

Pilgrim 1, at Plymouth, 655 MWe, 1972.

YANKEE ATOMIC ELECTRIC COMPANY
20 Turnpike Road
Westborough, Massachusetts 01581

Yankee plant, Rowe, 175 MWe, 1960.

MICHIGAN

CONSUMERS POWER COMPANY
212 W. Michigan Avenue
Jackson, Michigan 49201

Big Rock Point, at Big Rock Point, 72 MWe, 1962.

Palisades, at South Haven, 800 MWe, 1972.

INDIANA & MICHIGAN ELECTRIC COMPANY
P.O. Box 60
Fort Wayne, Indiana 46801

Donald C. Cook 1, Bridgman, 1,060 MWe, 1974.

MINNESOTA

NORTHERN STATES POWER COMPANY
414 Nicollet Mall
Minneapolis, Minnesota 55401

Monticello, at Monticello, 545 MWe, 1971.

Prairie Island 1 (520 MWe, 1973), and Prairie Island 2 (520 MWe, 1974), at Red Wing.

NEBRASKA

NEBRASKA PUBLIC POWER DISTRICT
P.O. Box 499
Columbus, Nebraska 68601

Cooper, at Brownville, 800 MWe, 1974.

OMAHA PUBLIC POWER DISTRICT
17th and Harney Streets
Omaha, Nebraska 68102

Fort Calhoun plant, at Fort Calhoun, 475 MWe, 1973.

NEW JERSEY

JERSEY CENTRAL POWER & LIGHT COMPANY
P.O. Box 1279R
Morristown, New Jersey 07960

Oyster Creek plant, at Tom's River, 640 MWe, 1969.

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
P.O. Box 570
Newark, New Jersey 07010

Salem 1, Salem, 1,090 MWe, 1976. Partially owned by Philadelphia Electric Company.

NUCLEAR - POWER PLANTS

NEW YORK

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
4 Irving Place
New York, New York 10003

Indian Point 1, 265 MWe, 1962, and Indian Point 2, 873 MWe, 1973, both at Buchanan.

POWER AUTHORITY OF THE STATE OF NEW YORK
10 Columbus Circle
New York, New York 10019

Indian Point 3, Buchanan, 965 MWe, 1975.

NIAGARA MOHAWK POWER CORPORATION
300 Erie Boulevard West
Syracuse, New York 13202

Nine Mile Point 1, Oswego, 610 MWe, 1969.

James A. Fitzpatrick plant, Scriba, 821 MWe, 1974. Partially owned by the Power Authority of the State of New York.

ROCHESTER GAS & ELECTRIC CORPORATION
89 East Avenue
Rochester, New York 14649

Robert E. Ginna plant, Rochester, 490 MWe, 1969.

NORTH CAROLINA

CAROLINA POWER & LIGHT COMPANY
P.O. Box 1551
Raleigh, North Carolina 27602

Brunswick 1, 821 MWe, 1976, and Brunswick 2, 821 MWe, 1974, both at Southport.

OREGON

PORTLAND GENERAL ELECTRIC COMPANY
621 S.W. Alder Street
Portland, Oregon 97205

Trojan, Ranier, 1,130 MWe, 1975. Partially owned by the Eugene Water & Electric Board.

PENNSYLVANIA

DUQUESNE LIGHT COMPANY
435 Sixth Avenue
Pittsburgh, Pennsylvania 15219

Shippingport 1, Shippingport, 90 MWe, 1957.

Beaver Valley 1, Shippingport, 852 MWe, 1976. Partially owned by Ohio Edison Company.

METROPOLITAN EDISON COMPANY
P.O. Box 542
Reading, Pennsylvania 19603

Three Mile Island 1, Goldsborough, 830 MWe, 1974. Partially owned by Jersey Central Power & Light Company and Pennsylvania Electric Company.

PHILADELPHIA ELECTRIC COMPANY
P.O. Box 8699
Philadelphia, Pennsylvania 19101

Peach Bottom 2, 1973, and Peach Bottom 3, both in Peach Bottom Township, and each with 1,065 MWe. Partially owned by Public Service Electric and Gas Company.

SOUTH CAROLINA

CAROLINA POWER & LIGHT COMPANY
P.O. Box 1551
Raleigh, North Carolina 27602

H.B. Robinson 2, Hartsville, 700 MWe, 1970.

NUCLEAR - POWER PLANTS

DUKE POWER COMPANY
P.O. Box 2178
Raleigh, North Carolina 28201

Oconee 1 (1973), Oconee 2 (1973), and Oconee 3 (1974), all at Lake Keowee, and each with 871 MWe.

VERMONT

VERMONT YANKEE NUCLEAR POWER CORPORATION
77 Grove Street
Rutland, Vermont 05701

Vermont Yankee, Vernon, 540 MWe, 1972.

VIRGINIA

VIRGINIA ELECTRIC AND POWER COMPANY
P.O. Box 26666
Richmond, Virginia 23261

Surry 1 (1972) and Surry 2 (1973), both at Gravel Neck, and each with 820 MWe.

WASHINGTON

U.S. DEPARTMENT OF ENERGY
Richland, Washington 99352

Hanford N plant, Richland, 800 MWe, 1966. Power distributed by the Washington Public Power Supply System.

WISCONSIN

DAIRYLAND POWER COOPERATIVE
Genoa, Wisconsin 54632

LaCrosse, Genoa, 50 MWe, 1967.

WISCONSIN MICHIGAN POWER COMPANY
P.O. Box 1007
Appleton, Wisconsin 54911

Point Beach 1 (1970) and Point Beach 2 (1972), both at Two Creeks, and each with 497 MWe. Partially owned by Wisconsin Electric Power Company.

WISCONSIN PUBLIC SERVICE CORPORATION
P.O. Box 1200
Green Bay, Wisconsin 54305

Kewaunee, Carlton Township, 535 MWe, 1973. Partially owned by Wisconsin Power and Light Company.

6. Alternate Sources

Federal Agencies, page 148
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Other Organizations, page 153

Even if research significantly improves the use of fossil and nuclear fuels, it is still clear that other energy options are needed. Many alternative ways of obtaining energy are conceivable; they are all ultimately derived from four natural sources of power: the radiation of the sun, the energy of the tides, the heat inside the earth, and the energy stored in the atomic nucleus. Listed in this chapter are organizations concerned with such alternate sources of energy, including geothermal resources, nuclear fusion, organic wastes, solar power, wind power, ocean thermal gradients, and the tides.

ALTERNATE - FEDERAL AGENCIES

FEDERAL AGENCIES

DEPARTMENT OF AGRICULTURE (USDA)
Washington, D.C. 20250

Secretary of Agriculture: Bob Bergland

+AGRICULTURAL RESEARCH SERVICE
Agricultural Research Center
West Beltsville, Maryland 20706
301-436-8221

Administrator: T.W. Edminster
Energy Research Coordinator: Landy B. Altman

Concerns include developing solar demonstration programs for heating livestock shelters, cooling and insulation of greenhouses, and drying of agricultural products.

DEPARTMENT OF COMMERCE
Washington, D.C. 20230

+ENVIRONMENTAL DATA SERVICE
See Chapter 4, Water Power, for a description of this agency. Applications of data at the National Climatic Center include development of solar and wind-powered energy sources. The National Geophysical and Solar-Terrestrial Data Center compiles and publishes information on geothermal energy resources.

+NATIONAL BUREAU OF STANDARDS
See Chapter 1, Energy in General, for a description of this agency. Among its responsibilities are conducting tests and demonstrations for energy efficiency in its Solar Heating and Cooling Demonstration Program. Publications in this field include: Putting the Sun to Work. Retrofitting a Residence for Solar Heating and Cooling: The Design and Construction of the System. Solar Energy Collectors and Concentrators: A Bibliography with Abstracts. Solar Space Heating and Air-Conditioning: A Bibliography with Abstracts.

DEPARTMENT OF ENERGY (DOE)
Washington, D.C. 20545
202-252-5000 (Information)

Secretary of Energy: James R. Schlesinger
Assistant Secretary, Conservation and Solar Applications: Donald A. Beattie (Acting)
Assistant Secretary, Resource Applications: George S. McIsaac (Designate)
Assistant Secretary, Energy Technology: Robert D. Thorne (Acting)
Director, Office of Solar and Geothermal Energy Programs: Eric H. Willis (Acting)
Director, Office of Fusion Energy Programs: Edwin E. Kintner (Acting)

See Chapter 1 for a full description of the new Department of Energy. In addition to taking over all functions of the former Energy Research and Development Administration (ERDA) and Federal Energy Administration (FEA), DOE has been given the authority over mineral lands containing geothermal resources formerly within the Department of the Interior.

The Office of the DOE Assistant Secretary for Conservation and Solar Applications is responsible for commercialization programs designed to stimulate solar heating and cooling of buildings and agricultural and industrial process solar heating. It also has a Federal Buildings Solar Demonstration Program for structures owned by the government. In addition, this Office is responsible for DOE's role in promoting fuels from municipal solid waste.

The Office of the Assistant Secretary for Resource Applications is responsible for incentives to stimulate development of geothermal energy resources, including a loan guarantee program.

The Office of the Assistant Secretary for Energy Technology is responsible for research, development, and technology demonstration in all alternative energy areas. These include:

-- Solar Energy Development: Solar electric applications, including photovoltaic energy conversion, ocean thermal energy conversion, solar thermal electric conversion, and wind energy conversion; as well as fuels from biomass.

ALTERNATE - FEDERAL AGENCIES

-- Geothermal Energy Development: Resource exploration and assessment; environmental control and institutional studies; hydroelectric power programs; hydrothermal technology applications; utilization experiments; engineering research and development; and advanced technology applications.

-- New methods of fossil energy development, including coal liquefaction and gasification, direct combustion, and magnetohydrodynamics; development of oil shale; and enhanced oil and natural gas recovery.

-- Nuclear fusion, the process of joining atoms (the opposite of nuclear fission, the splitting of an atom).

-- Other areas, including electrical energy systems, improved conversion efficiency, energy storage systems.

Solar Energy

DOE, in cooperation with the Department of Housing and Urban Development, sponsors the National Solar Heating and Cooling Information Center, operated under contract by the Franklin Institute Research Laboratories. The Center provides free information about commercial availability of solar installations for heating and cooling:

+National Solar Heating and Cooling Information Center
P.O. Box 1607
Rockville, Maryland 20850
800-523-2929 (Toll-free)
800-462-4983 (Toll-free in Pennsylvania)

Pub.: Numerous free materials, including, for example, Solar Energy and Your Home; Reading List for Solar Energy; and lists of equipment suppliers, solar buildings, architects, etc. Films, speakers, and exhibits are also available.

DOE's Solar Energy Research Institute (SERI) will be operated under contract by the Midwest Research Institute on a site near Golden, Colorado. SERI, with an initial staff of up to 75 professionals, will function in concert with the extensive solar energy work already underway and planned at universities, industries, national laboratories, and other federal, state, and local agencies across the country. Its main mission is to foster widespread use of all aspects of solar technology, including direct solar conversion (photovoltaics), solar heating and cooling, solar thermal power generation, wind, ocean thermal conversion, and biomass conversion. SERI is also responsible for developing a five-year plan for the U.S.-Saudi Arabia $100 million solar energy research and development program. Its temporary office is:

+Solar Energy Research Institute
1536 Cole Boulevard
Golden, Colorado 80401
303-234-7171

The country's first solar thermal electric power plant will be built in Barstow, California under DOE sponsorship. The 10 megawatt plant will be operated by the Southern California Edison Company, Los Angeles Department of Water and Power, and California Energy Resources Conservation and Development Commission.

The DOE Division of Solar Technology issues a newsletter, Solar Energy Research and Development Report. Numerous technical reports are available.

Wind Energy

DOE wind energy research focuses on testing the large horizontal-axis wind turbine with propeller-type blades; the vertical-axis wind turbine, which can accept wind from any direction; offshore wind energy systems; farm and rural use systems; and various innovative ideas. Reports available include Wind Energy Utilization Bibliography; Applied Aerodynamics of Wind Power Machines; and Summary of Current Cost Estimates of Large Wind Energy Systems.

Geothermal Energy

The goal of the Federal Geothermal Research, Development and Demonstration Program administered by DOE is to stimulate commercial development of geothermal energy as

ALTERNATE - FEDERAL AGENCIES

an economic, reliable, and environmentally acceptable energy source. The strategy has two main components: reduction of technological and institutional uncertainties to a risk level compatible with normal private sector investment practices; and encouragement of commercial development of geothermal resources for both electric and non-electric applications by means of demonstration projects and loan guarantees.

DOE's geothermal program focuses mainly on the western U.S. The Geothermal Component Test Facility, near El Centro, California, is a joint project of DOE and the Bureau of Reclamation, and operated by the University of California's Lawrence Berkeley Laboratory.

The DOE Division of Geothermal Energy issues a detailed annual report. Numerous technical publications are available.

Nuclear Fusion

DOE supports a major research and engineering effort to provide a new, safe, economic, and essentially limitless source of energy through fusion of atoms. Two basic approaches are being pursued: (1) confinement of fusion fuel by magnetic fields; and (2) inertial confinement of fusion, which has military as well as civilian applications.

The goal of the magnetic fusion energy program is to build an operate by 1998 a demon stration power plant that will produce several hundred megawatts of electricity. The program involves close cooperation with the USSR, Japan, and the European Atomic Community (EURATOM).

Other Programs

DOE's Biomass Program is designed to help establish commercial production of methane (the primary ingredient of natural gas), hydrogen, and other "synthetic" fuels from terrestrial and sea plants and from animal wastes. Its Ocean Thermal Energy Conversion (OTEC) Program is attempting to make possible commercial power production from using the difference between warm (surface) and cold (deep) ocean water temperatures. Plans call for testing a 1 megawatt OTEC component in the ocean by 1980-81, and a 100 mw demonstration plant by 1984-85.

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT (HUD)
Washington, D.C. 20410
202-755-6417

Secretary of Housing and Urban Development: Patricia Roberts Harris
Director, Division of Energy, Building Technology and Standards: Joseph Sherman

Shares responsibility with the Department of Energy for the National Solar Heating and Cooling Demonstration Program; co-sponsors, with DOE, the National Solar Heating and Cooling Information Center (see above, under DOE). Tests the feasibility and effectiveness of incentives to stimulate use of approved solar energy systems in existing dwellings; works to identify potential institutional barriers to widespread residential use of solar heating and cooling, and recommends solutions; encourages industry to develop improved and lower-cost solar equipment for homes; and identifies solar equipment available to be installed or retrofitted into homes. Maintains a data bank on characteristics and performance of solar hardware. Pub.: HUD Challenge Magazine, monthly. HUD Newsletter, weekly. Residential Energy from the Sun. Solar Hot Water and Your Home. Solar Energy and Your Home.

ENVIRONMENTAL PROTECTION AGENCY (EPA)
Washington, D.C. 20460
202-755-2673

Administrator: Douglas M. Costle
Assistant Administrator for Air and Waste Management: Edward F. Tuerk (Acting)
Deputy Assistant Administrator for Solid Waste: Sheldon Meyers

EPA's Office of Solid Waste Management Programs conducts research and sponsors pilot projects on the conversion of solid wastes into energy, either by burning or by conversion into gas. Pub.: Reports, including: Energy Recovery from Waste: Solid Waste as Supplementary Fuel in Power Plant Boilers (1973). Refuse as a Supplementary Fuel for Power

ALTERNATE - FEDERAL AGENCIES

Plants... Interim Progress Report. San Diego County Demonstrates Pyrolysis of Solid Waste to Recover Liquid Fuel, Metals, and Glass (1975). Others are listed in Solid Waste Management: Available Information Materials, Total Listing, 1966-1976 (1976).

GENERAL SERVICES ADMINISTRATION (GSA)
See Chapter 8, Energy Conservation, for a description of this agency. GSA demonstrates solar heating and cooling in federal office buildings, and serves as a consultant to DOE and HUD in developing solar standards.

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA)
Washington, D.C. 20546
202-755-2320 (Switchboard)

Administrator: Robert A. Frosch
Assistant Administrator for Energy Programs: R. D. Ginter

NASA conducts a broadranging energy research and development program with the goals of effectively applying NASA aerospace capability, experience, and facilities to the energy research and development program of the Department of Energy and other governmental organizations, and to understand, evaluate, and define how technology can be applied to exploit the unique characteristics of the space environment to help energy-related problems on Earth.

These efforts, funded by other governmental agencies, include photovoltaics, wind turbogenerators, solar heating and cooling, advanced ground propulsion, energy conversion systems, gas turbines, fuel cell systems, hydrogen systems, advanced coal energy extraction, magnetohydrodynamics, energy storage systems, combustion technology, composites, polymers and ceramics, and heat exchanger technology. Satellite power systems and radioactive waste management research is funded by NASA.

NASA's information services are described in a pamphlet, "The NASA Scientific and Technical Information System... How to Use It."

NATIONAL SCIENCE FOUNDATION (NSF)
See the description in Chapter 1. NSF's solar energy projects were transferred to the Energy Research and Development Administration (ERDA), which was merged into the new Department of Energy.

STATE AGENCIES

Note: Many of the comprehensive state energy offices listed in Chapter 1 have an active interest in promoting alternate sources of energy. The following agencies have a specific or major interest in this field:

ARIZONA SOLAR ENERGY RESEARCH COMMISSION
1700 W. Washington Street
Phoenix, Arizona 85007
602-271-3682

Demonstration projects; research on technical and institutional aspects of solar energy. Pub.: Solar Energy Directory. Putting the Sun to Work in Arizona.

CALIFORNIA ENERGY RESOURCES CONSERVATION AND DEVELOPMENT COMMISSION
1111 Howe Avenue
Sacramento, California 95825
916-322-3690

Chairman: Richard Maullin

Maintains an Alternatives Implementation Division, which includes offices for geothermal energy and solar energy. Pub.: California Solar Information Packet (1977). Geothermal Energy Resources in California - Status Report (1976). Solar Energy in Buildings: Implications for California Energy Policy (1977). Critical Issues in Biomass Conversion (1977). Residential Solar Hot Water Heating and Space Conditioning Systems in Northern California: A Brief Summary (1976).

CALIFORNIA DEPARTMENT OF WATER RESOURCES
1416 Ninth Street
Sacramento, California 95814
916-445-9248

ALTERNATE - STATE AGENCIES

Concerns include geothermal resources as sources of energy and water. Pub.: Water and Power from Geothermal Resources in California: An Overview (1974).

CALIFORNIA OFFICE OF APPROPRIATE TECHNOLOGY
1530 Tenth Street
Sacramento, California 95814
916-445-1803

Director: Sim Van der Ryn

Part of the Governor's Office. Projects include a Solar Technician Training Program and information on alternate sources of energy. Pub.: Bibliographies, including nos. 14, "Bioconversion: Methane Production," 16, "Direct Solar Heating/Cooling," 25, "Wind Energy."

CALIFORNIA TASK FORCE ON GEOTHERMAL RESOURCES
c/o Department of Conservation
1416 Ninth Street
Sacramento, California 95814

Created in 1976 to study and make recommendations on developing and controlling geothermal resources in the state.

COLORADO ENERGY RESEARCH INSTITUTE
P.O. Box 366
Golden, Colorado 80401
303-279-2881

Program includes research and promotion of solar energy.

FLORIDA SOLAR ENERGY CENTER
300 State Route 401
Cape Canaveral, Florida 32920
305-783-0300

Solar energy research, development, demonstration projects, and public information. Pub.: Solar Collector, quarterly newsletter. FSEC Directory of Florida Solar Energy Equipment Manufacturers and Distributors. Solar Energy Commercialization at the State Level: The Florida Solar Energy Water Heater Program.

ILLINOIS DEPARTMENT OF BUSINESS AND ECONOMIC DEVELOPMENT
Division of Energy
222 S. College Avenue
Springfield, Illinois 62706
217-782-7500

Solar energy demonstration, education, promotion, and research. Pub.: Illinois Homeowners Guide to Solar Energy. Potential Economic Impact of Solar Heated Residential Structures in Illinois, 1976-2000. Directory of Solar Energy Equipment Manufacturers and Solar Energy Architects and Engineers.

NEW MEXICO ENERGY RESOURCES BOARD
P.O. Box 2770
Santa Fe, New Mexico 87501
505-827-2146

Solar energy research, promotion, and demonstration.

NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY
230 Park Avenue
New York, New York 10017
212-689-5070

Maintains an Office of New Energy Technologies. Research, development, promotion, and demonstration of alternate sources of energy.

PENNSYLVANIA ENERGY COUNCIL
P.O. Box 1323
Harrisburg, Pennsylvania 17120
717-787-9749

Major interest in solar and other alternate sources. Promotion, demonstration, public information.

VERMONT DEPARTMENT OF FORESTS AND PARKS
Montpelier, Vermont 05602
802-828-3375

Director of Forests: E. Bradford Walker

Has an experiment to use a "whole-tree harvesting" technique to produce wood chips to be used for fuel.

ALTERNATE - OTHER ORGANIZATIONS

OTHER ORGANIZATIONS

Note: Many of the organizations listed in Chapter 1, Energy in General, are concerned with alternate sources of energy.

ALABAMA SOLAR ENERGY ASSOCIATION
1915 Waxleaf Green
Huntsville, Alabama 35803

ALTERNATE CONSUMER ENERGY SOCIETY (ACES)
4800 Oak Grove Drive (Attn.: G. Herrera)
Pasadena, California 91103

Organized by employees of NASA's Jet Propulsion Laboratory, ACES has arranged low-interest loans for solar heating equipment, helps fellow workers design and install their own solar systems, and generally promotes solar heating, methane production, wind generation, and other energy alternatives. Pub.: Newsletter, quarterly.

ALTERNATE ENERGY INSTITUTE
P.O. Box 3100
Estes Park, Colorado 80517.

Pub.: Solar Utilization News, monthly.

ALTERNATIVE ENERGY RESOURCES ORGANIZATION (AERO)
417 Stapleton Building
Billings, Montana 59101
406-248-1154

Information clearinghouse and demonstration projects on solar, wind, and methane energy.

ALTERNATIVE SOURCES OF ENERGY
Route 2, Box 90-A
Milaca, Minnesota 56353

Publishes a magazine, Alternative Sources of Energy, bimonthly, "for people concerned with the development of alternative technologies which utilize renewable energy sources. Emphasis is on alternative, environmental technologies in energy sources, agriculture, architecture, transportation, and communications." Other programs include courses and workshops for builder-homeowners. Pub.: In addition to its magazine, issues three books: Alternative Sources of Energy: Practical Technology and Philosophy for a Decentralized Society. Spectrum: An Alternate Technology Equipment Directory. Kilowatt Counter: A Consumers Guide to Energy Concepts, Quantities and Uses.

AMERICAN FOREST INSTITUTE
1619 Massachusetts Avenue, N.W.
Washington, D.C. 20036
202-667-7807

President: Gordon Bonfield

Trade organization. Advocates use of wood as an alternate fuel. Pub.: Green America, quarterly.

THE AMERICAN FORESTRY ASSOCIATION
1319 18th Street, N.W.
Washington, D.C. 20036
202-467-5810

Executive Vice President: William E. Towell

Citizen conservation organization. Interests include wood as a fuel source. Pub.: American Forests, monthly.

AMERICAN NUCLEAR SOCIETY (ANS)
See description in Chapter 5. ANS maintains a Controlled Nuclear Fusion Division.

ATOMIC INDUSTRIAL FORUM (AIF)
See description in Chapter 5. AIF maintains a Committee on Fusion.

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS, INC. (ASHRAE)
See description in Chapter 8. ASHRAE is an important source of technical information on solar energy applications. Publications in this field include: Applications of Solar Energy for Heating and Cooling of Buildings. Solar Energy Storage Subsystems. Solar Heating and Cooling of Buildings. Solar Energy and the Flat Plate Collector. Solar Energy Applications. Catalog available. The entire November 1977 issue of the ASHRAE Journal was devoted to solar energy.

ALTERNATE - OTHER ORGANIZATIONS

AMERICAN WIND ENERGY ASSOCIATION (AWEA)
54468 C.R. 31
Bristol, Indiana 46507

President: John P. Saylor

Members are manufacturers and distributors of wind energy conversion systems. Product standards; promotion. Pub.: Newsletter, bimonthly.

ARIZONA SOLAR ENERGY ASSOCIATION
P.O. Box 537
Flagstaff, Arizona 86001

ARIZONA STATE UNIVERSITY
Library - Solar Energy Collection
Tempe, Arizona 85281

Pub.: Solar Energy Index (on microfiche), semiannual.

BOSTON WIND
2 Mason Court
Charlestown, Massachusetts 02129

Information and consulting services on wind energy, directed mainly toward homeowners. Pub.: Boston Wind, quarterly. Wind Power Bibliography. Slide lecture.

CALIFORNIA PUBLIC POLICY CENTER
304 S. Broadway, Suite 224
Los Angeles, California 90013
213-628-8888

President: Fred Branfman
Energy Coordinator: Peggy Gardels

Pub.: Jobs from the Sun (1978), detailing the impacts a major commitment to solar energy would have on jobs and economic growth.

CENTER FOR RURAL AFFAIRS
P.O. Box 405
Walthill, Nebraska 68067

Programs include the Nebraska Low Energy Agriculture Project, which promotes application of alternate energy technologies to agriculture. Pub.: New Land Review, quarterly. Newsletter, monthly. The Energy Industrial Complex. Bibliographies.

CITIZENS FOR ENERGY CONSERVATION AND SOLAR DEVELOPMENT, INC.
P.O. Box 49173
Los Angeles, California 90049
213-472-7187

COLORADO SOLAR ENERGY ASSOCIATION
University of Colorado
1100 14th Street
Denver, Colorado 80202

COLORADO STATE UNIVERSITY
Solar Energy Applications Laboratory
Fort Collins, Colorado 80523

Director: George Lŏf

Research, development, and education on solar energy. Pub.: Various technical reports, including, for example, Economics of Solar Heating and Cooling Systems.

EASTERN NEW YORK SOLAR ENERGY SOCIETY
c/o D. McClenahan
Atmospheric Sciences Research Center
State University of New York
Albany, New York 12222

ENVIRONMENTAL ACTION OF COLORADO
See description in Chapter 1. Has a major interest in solar energy and other alternate sources.

ENVIRONMENTAL FUTURE, INC.
150 S. Los Robles Avenue
Pasadena, California 91101
213-449-8482

Concerned with application of solar energy research to practical needs in the construction industry.

FRANKLIN INSTITUTE RESEARCH LABORATORIES
See description in Chapter 1. Major research interest in alternate sources of energy. Operates the National Solar Heating and Cooling Information Center (see index) for the U.S. Departments of Energy and Housing and Urban Development.

ALTERNATE - OTHER ORGANIZATIONS

FUSION ENERGY FOUNDATION (FEF)
G.P.O. Box 1901
New York, New York 10001
212-563-8645

Founded in 1974, FEF's purpose is to provide a "forum of independent, high-level scientific discussion of [atomic] fusion from the standpoint of comprehensive policy-making." Holds conferences. Pub.: Newsletter, bimonthly. International Journal of Fusion Energy.

GEORGIA INSTITUTE OF TECHNOLOGY
Solar Energy and Materials Technology Division
Atlanta, Georgia 30332
404-894-3405

Chief: Nick Poulos

Technical research on solar energy and its applications.

GEORGIA SOLAR ENERGY ASSOCIATION
Campus Box 32743
Georgia Institute of Technology
Atlanta, Georgia 30332

GEOTHERMAL ENERGY ASSOCIATION
P.O. Box 752
Azusa, California 91702

GEOTHERMAL ENERGY INSTITUTE
1000 North Point, Room 1704
San Francisco, California 94109
415-474-89[illegible]

Managing Director: Donald F. X. Finn

Pub.: The Geothermal Potential of New England (1975). The Price of Geothermal Steam at The Geysers (1975). What is the Future of Geothermal Energy (1975).

GEOTHERMAL RESOURCES COUNCIL
P.O. Box 1033
Davis, California 95616
916-758-2250

Executive Director: David N. Anderson

Professional organization. Pub.: Bulletin of the Geothermal Resources Council, 6-8 a year. Transactions, annual. Geothermal Registry.

HELIOSCIENCE INSTITUTE
Palm Springs Chamber of Commerce
190 W. Amado Road
Palm Springs, California 92262
714-325-4497

Held conferences in 1977 and 1978 on solar and geothermal energy. Sponsors included state and federal agencies, professional societies, and the City of Palm Springs.

INTERNATIONAL SOLAR ENERGY SOCIETY, INC. (ISES)
American Section
300 State Road 401
Cape Canaveral, Florida 32920
305-783-2740

Secretary-Treasurer: Edward C. Fordyce

The principal solar energy association in the U.S. Part of an international organization formed to foster the science and technology relating to applications of solar energy, the encouragement of basic and applied solar energy research and development, promotion of education in the field, and compiling and disseminating information.

Technical divisions: Agriculture, Biology and Chamistry, Engineering, Passive Systems, Physics, Socio-Economics, Solar Radiation, and Wind Power. There are some 15 regional chapters, listed separately in this chapter.

Pub.: Solar Age, monthly popular magazine. Journal of the International Solar Energy Society. International Solar Energy Newsletter. Sun World. Sharing the Sun (annual conference proceedings). Bibliographies and directories.

IOWA SOLAR ENERGY ASSOCIATION
c/o TERRA
1612 Burnette
Ames, Iowa 50010

LOUISIANA STATE UNIVERSITY
Solar Energy Program
University Station, Box N
Baton Rouge, Louisiana 70893
504-388-1583

Solar Energy Program Coordinator:
B. H. Holmes

ALTERNATE - OTHER ORGANIZATIONS

Research, demonstration, and promotion of solar energy. Has been delegated responsibility for the state solar energy program, Solar Energy Awareness in Louisiana (SEAL). Pub.: SEAL, bimonthly newsletter.

METROPOLITAN NEW YORK SOLAR ENERGY ASSOCIATION
c/o Joseph Cuba
United Engineering Center
345 E. 47th Street
New York, New York 10017

MID-ATLANTIC SOLAR ENERGY ASSOCIATION
c/o Robert T. Bennett
Department of Architecture
Graduate School of Fine Arts
University of Pennsylvania
Philadelphia, Pennsylvania 19104

MIDWEST ENERGY ALTERNATIVES NETWORK
c/o Governors State University
Park Forest South, Illinois 60466

Pub.: Acorn, a magazine covering alternate energy issues throughout the Midwest.

MIDWEST RESEARCH INSTITUTE (MRI)
See description in Chapter 1. MRI operates the U.S. Department of Energy's Solar Energy Research Institute at Golden, Colorado (see index).

MINNESOTA SOLAR ENERGY TASK FORCE
7124 James Avenue, S.
Minneapolis, Minnesota 55423

Chairman: Max Oftedal

MISSOURI SOLAR ENERGY ASSOCIATION
2008 Engineering
University of Missouri
Columbia, Missouri 65201

NATIONAL CENTER FOR APPROPRIATE TECHNOLOGY (NCAT)
P.O. Box 3838
Butte, Montana 59701

Promotes technologies that are small-scale, decentralized, ecologically sound, simple to operate, and labor-intensive. Pub.: NCAT Newsletter, quarterly. Technical reports.

NATIONAL CENTER FOR RESOURCE RECOVERY
See description in Chapter 8. Concerns include recovery of energy values from solid wastes.

NATIONAL SOLID WASTES MANAGEMENT ASSOCIATION
See description in Chapter 8. Concerns include recovery of energy values from municipal solid wastes.

NEW ALCHEMY INSTITUTE
P.O. Box 432
Woods Hole, Massachusetts 02543
617-563-2655

Chief, Pure Energy Research: Earle Barnhart

"Our major task is the development of ecologically derived forms of energy, agriculture, aquaculture, housing and landscapes that will encourage a repopulation and revitalization of the countryside." New Alchemy is closed between November 1 and May 1. Pub.: Journal of the New Alchemists, annual. Reports, including: Methane Digesters for Fuel Gas and Fertilizer (1973). Energy Primer: Solar, Water, Wind and Biofuels. List available.

NEW MEXICO SOLAR ENERGY ASSOCIATION
P.O. Box 2004
Santa Fe, New Mexico 87501

Library; slide collection; conferences. Pub.: NMSEA Bulletin, monthly. Conference proceedings.

NEW MEXICO STATE UNIVERSITY
Las Cruces, New Mexico 88001
505-646-0111

Has a major interest in solar energy research, demonstration, and promotion.

NORTHERN CALIFORNIA SOLAR ENERGY ASSOCIATION
c/o Kinsell L. Coulson, President
Hoagland Hall
University of California
Davis, California 92025

NORTHERN ILLINOIS SOLAR ENERGY ASSOCIATION
P.O. Box 352
Argonne, Illinois 60439

OHIO SOLAR ENERGY ASSOCIATION
12931 W. Geauga Trail
Chesterland, Ohio 44026

PORTOLA INSTITUTE
Whole Earth Truckstore
558 Santa Cruz Avenue
Menlo Park, California 94025
415-323-5535

Pub.: Energy Primer: Solar, Water, Wind and Biofuels (edited in cooperation with the New Alchemy Institute).

PUBLIC INTEREST RESEARCH GROUP (PIRG)
2000 P Street, N.W., Suite 711
Washington, D.C. 20036

Pub.: A Citizen's Handbook on Solar Energy.

PUERTO RICO SOLAR ENERGY ASSOCIATION
P.O. Box 3011
San Juan, Puerto Rico 00936

RAIN
2270 N.W. Irving
Portland, Oregon 97210

Concerned with appropriate technology, local self-reliance, decentralization, and related areas. Pub.: Rain: Journal of Appropriate Technology, 10 times a year. Solar Workshop Manual. Bibliographies on wind energy, weatherizing, home insulation, and direct solar heating and cooling.

SCHOOL OF LIVING
P.O. Box 3233
York, Pennsylvania 17402
717-755-1561

President: Jubal

Research and development and promotion of alternate sources of energy, including solar. Pub.: Green Revolution, 10 times a year.

ALTERNATE - OTHER ORGANIZATIONS

SOCIETY FOR THE PROTECTION OF NEW HAMPSHIRE FORESTS
5 S. State Street
Concord, New Hampshire 03301

Interests include use of wood for heating homes and commercial uses of wood as fuel. Pub.: Wood "N" Energy, newsletter.

SOCIETY OF AMERICAN FORESTERS
5400 Grosvenor Lane
Bethesda, Maryland 20014
301-897-8720

Concerns include the use of wood as an energy source. Pub.: Journal of Forestry. Forest Science.

SOLAR ENERGY COALITION OF TEXAS
P.O. Box 28183
San Antonio, Texas 78228

SOLAR ENERGY EXHIBITION PROGRAM
1100 14th Street
Denver, Colorado 80202
303-534-1602

Maintains a traveling museum exhibit.

SOLAR ENERGY INDUSTRIES ASSOCIATION (SEIA)
1001 Connecticut Avenue, N.W., Suite 800
Washington, D.C. 20036
202-293-2981

Executive Director: William S. Bergman

Trade association. Program includes: (1) legislative action at the state and federal levels to provide financial incentives such as tax credits, property tax abatements, and elimination of sales taxes on solar products, to encourage consumers to use solar; (2) development of standards for solar products and systems. Maintains committees on Ethics; Government Relations; Standards; Traffic; and Passive Systems. Workshops, meetings, and product exhibits. Pub.: Solar Engineering Magazine, monthly. SEIA News, monthly. Solar Energy Index.

ALTERNATE - OTHER ORGANIZATIONS

SOLAR ENERGY INSTITUTE OF AMERICA
P.O. Box 9352
Washington, D.C. 20005
301-853-2335

Vice President: Luana Moore

Organization of manufacturers, architects, engineers, installers, researchers, and others professionally concerned with promoting solar energy systems. Pub.: Solar Life Newsletter. Solar Source Catalog, annual.

SOLAR ENERGY SOCIETY OF AMERICA
2780 Sepulveda Boulevard
Torrance, California 90510
213-326-3283

President: David L. Satchwell

A small, independent organization concerned with disseminating information on practical applications of solar energy. Pub.: Membership Letter, monthly.

SOLAR UTILIZATION NETWORK
121 Chestnut Street
Philadelphia, Pennsylvania 19106

Pub.: Newsletter, quarterly.

SOUTHERN CALIFORNIA SOLAR ENERGY ASSOCIATION (SCSEA)
202 C Street, Suite 11B
San Diego, California 92101
714-232-3914

Southern California Chapter of the International Solar Energy Society, American Section. Pub.: Solarscope, quarterly magazine. Western Regional Solar Energy Directory (1976). Bibliographies and guides to buying solar systems and equipment.

SUN DAY
1028 Connecticut Avenue, N.W.
Washington, D.C. 20036
202-466-6880

Chairman: Denis Hayes

Sponsor of Sun Day, May 3, 1978, "the international demonstration of humankind's passage from the Petroleum Age to a new era of unlimited, decentralized, economical, pollution-free, ecologically sound energy use... the era of solar energy!"

SUNRAE
P.O. Box 915
Goleta, California 93017
805-968-5353

Solar energy lobbying group.

SYNERJY
P.O. Box 4790, Grand Central Station
New York, New York 10017

Pub.: Synerjy, a twice-yearly directory listing sources of information about alternate sources of energy. Lists of alternate energy manufacturers.

TENNESSEE SOLAR ENERGY ASSOCIATION
Memphis State University
Memphis, Tennessee 33152

TEXAS SOLAR ENERGY ASSOCIATION
Texas A&M University
Mechanical Engineering Department
College Station, Texas 77843

TRANSNATIONAL NETWORK FOR APPROPRIATE/ALTERNATIVE TECHNOLOGIES (TRANET)
P.O. Box 587
Rangeley, Maine 04970

Information network on appropriate technology, including energy alternatives. Pub.: TRANET, quarterly.

TRINITY UNIVERSITY
Solar Energy Project
715 Stadium Drive
San Antonio, Texas 78284

Major program; includes the country's largest solar energy collector project, a regional solar-meteorological research center operated for the U.S. Department of Energy, a computerized solar collector test facility, and training courses.

ALTERNATE - OTHER ORGANIZATIONS

UNIVERSITY OF ALABAMA
Solar Energy Task Force
P.O. Box 1247
Huntsville, Alabama 35807
205-895-6257

Regional information center on solar energy; research; training. Pub.: Solar Energy Data Sources. Solar Energy Heating and Cooling Systems. Technical reports.

UNIVERSITY OF ARIZONA
Tucson, Arizona 85721
602-884-0111

Various academic departments and the Agricultural Experiment Station are involved in a wide range of solar energy projects.

UNIVERSITY OF CALIFORNIA
Institute of Geophysics and Planetary Physics
Riverside, California 92502

The Institute's Geothermal Resources Program studies the nature and potential of geothermal energy in the western U.S., with emphasis on California's Imperial Valley.

UNIVERSITY OF CALIFORNIA
Lawrence Berkeley Laboratory
Energy and Environment Division
Berkeley, California 94720

Major program of research and development on alternate sources, including geothermal, solar, and controlled thermonuclear.

UNIVERSITY OF CALIFORNIA
Sanitary Engineering Research Laboratory
1301 S. 46th Street
Richmond, California 94804

Research concerns include fermentation of wastes to produce methane, conversion of solar energy by way of photosynthesis, and pyrolisis of wastes to produce combustible gas and liquid fuels.

UNIVERSITY OF FLORIDA
Solar Energy and Energy Conversion Laboratory
Gainesville, Florida 32601

Director: Erich A. Farber

Conducts research and development in all spects of using solar energy; maintains a "solar house." Pub.: Numerous reports; catalog available.

UNIVERSITY OF NEW MEXICO
Energy Information Program
Technology Application Center
Albuquerque, New Mexico 87131

The Center, operated for NASA, publishes various information services, including: Solar Thermal Energy Utilization, quarterly. Hydrogen Energy, quarterly. Wind Energy Utilization.

UNIVERSITY OF NEVADA
Desert Research Institute (DRI)
P.O. Box 60220
Reno, Nevada 89506
702-784-6131

Program includes research and development in solar energy.

VOLUNTEERS IN TECHNICAL ASSISTANCE (VITA)
3706 Rhode Island Avenue
Mt. Rainier, Maryland 20822
301-277-7000

Executive Director: Thomas H. Fox

A nonprofit organization of volunteer professionals who provide technical assistance, primarily by mail, to persons and groups throughout the world who are struggling with problems of social and economic development. Many VITA volunteers have been involved in using alternate sources of energy to meet problems in the developing world. Projects have included designing simple windmills, water pumps, solar water heaters, etc. VITA is also interested in applying such techniques in the U.S. It maintains contact with similar groups abroad who are working on energy problems. Pub.: VITA News, 3 times a year. Vis a Vis, 3 times a year (for volunteers). VITA also publishes over 60 manuals, including the Village Technology Handbook and booklets on small water power sites and low-cost windmills.

WALDEN FOUNDATION
P.O. Box 5
El Rito, New Mexico 87530

Research and development in alternate sources of energy, self-sufficiency, and related areas. Pub.: The Survival Greenhouse.

WESTERN OIL AND GAS ASSOCIATION (WOGA)
Maintains a committee on geothermal resources; see description in Chapter 2.

WIND ENERGY SOCIETY OF AMERICA
1700 E. Walnut Street
Pasadena, California 91106

Executive Secretary: James Ranch

Technical society; promotes information exchange. Pub.: Newsletter, 3 times a year. Bibliography on Windmills.

WINDWORKS
Route 3, Box 329
Mukwonago, Wisconsin 53149
414-363-4408

Director of Research: Hans Meyer

A research and development collective with primary interest in the design, development, and testing of wind energy equipment and power conditioning equipment. Pub.: Newsletter, irregular. Wind Energy Bibliography (1973). Sail Windmill Construction Plan. Wind Energy Chart.

WOOD ENERGY INSTITUTE
P.O. Box 1, Fiddlers Green
Waitsfield, Vermont 05673

Promotes wood energy technology. Pub.: Wood'N Energy Newsletter, bimonthly. The Woodburners Encyclopedia. Technical reports.

7. Electric Utilities

Federal Agencies, page 162
State Agencies, page 167
Other Organizations, page 168
Major Electric Utilities, page 178

Electricity now accounts for only about 10% of energy end use, but its share is expected to rise to more than 25% by the year 2000. Most electric power in the United States is generated from fossil fuels (coal, 44%; natural gas, 21%; oil, 16%). Water power is responsible for 16% of all electricity generated, and nuclear fission, 3%. Listed in this chapter are major public and private electric utilities and organizations concerned with the generation, transmission, and distribution of electric power. In most states, electric utilities are subject to regulation by state government; see pages 20-37 for a list of the responsible agencies.

ELECTRIC UTILITIES - FEDERAL AGENCIES

FEDERAL AGENCIES

DEPARTMENT OF AGRICULTURE (USDA)
Washington, D.C. 20250

Secretary of Agriculture: Bob Bergland

+RURAL ELECTRIFICATION ADMINISTRATION (REA)
Department of Agriculture, Room 4053-S
Washington, D.C. 20250
202-447-3564

Administrator: David A. Hamil
Assistant Administrator - Electric: Richard F. Richter

REA, created by executive order of President Franklin D. Roosevelt in 1935, and subsequently authorized by the Rural Electrification Act of 1936, makes loans to finance electric and telephone service in rural areas. Loans, made primarily to member-owned cooperatives and public bodies, finance the construction of electric distribution lines, generating plants, and transmission facilities.

As of January 1, 1977, REA had approved $11.2 billion in loans to 1,093 borrowers to serve 9.1 million customers over 1.9 million miles of line. The borrowers included 977 cooperatives, 54 public power districts, 36 other public bodies, and 26 electric companies.

Supplemental financing for the rural electrification program is provided primarily through the National Rural Utilities Cooperative Finance Corporation, an independent, self-help credit institution created by the rural electric systems. The Banks for Cooperatives and other lenders also provide supplementary financing.

Pub.: Rural Lines: The Story of Cooperative Rural Electrification, a history of REA. Numerous technical bulletins (list available).

DEPARTMENT OF ENERGY (DOE)
Washington, D.C. 20545
202-252-5000 (Information)

Secretary of Energy: James R. Schlesinger
Administrator, Economic Regulatory Administration: David J. Bardin
Chairman, Federal Energy Regulatory Commission (FERC): Charles B. Curtis
Commissioner, FERC: Georgianna Sheldon
Commissioner, FERC: George R. Hall
Commissioner, FERC: Don S. Smith
Commissioner, FERC: Matthew Holden, Jr.
Executive Director: William G. McDonald

For a detailed description of the new Department of Energy, see Chapter 1.

The DOE Economic Regulatory Administration is responsible for most of the department's regulatory programs, other than those of the semi-independent Federal Energy Regulatory Commission. These include conversion of oil- and gas-fired electric utilities to coal; regional coordination of electric power system planning and reliability of bulk power supply (through the reliability councils described below); and emergency and contingency planning for electric power supply. The Economic Regulatory Administration also intervenes before the Federal Energy Regulatory Commission and other federal regulatory agencies, and state utility regulatory proceedings. It regulates electric power imports and exports, assures establishment of emergency interconnections among electric utilities, assures voluntary coordination of electric utilities, and performs long-range electric utility planning.

The Federal Energy Regulatory Commission (FERC), an independent body within the Department of Energy, has taken over many of the functions of the former Federal Power Commission. FERC issues and enforces licenses for hydroelectric power projects on federal lands; establishes and enforces rates and charges for the sale and transmission of electricity and for the non-emergency interconnection of facilities for the generation, transmission, and sale of electricity; issues and enforces certificates of public convenience and necessity for construction of facilities and abandonment of services or facilities for electric power; and has various other related duties.

Power Administrations

The four electric power administrations formerly under Department of the Interior jurisdiction - the Bonneville, Alaska, Southwestern, and Southeastern Power Administration - have been transferred to DOE. A fifth power administration, the Western Area Power Administration, was created in late 1977. The power administrations are:

+ALASKA POWER ADMINISTRATION
(APA)
P.O. Box 50
Juneau, Alaska 99802
907-586-7405

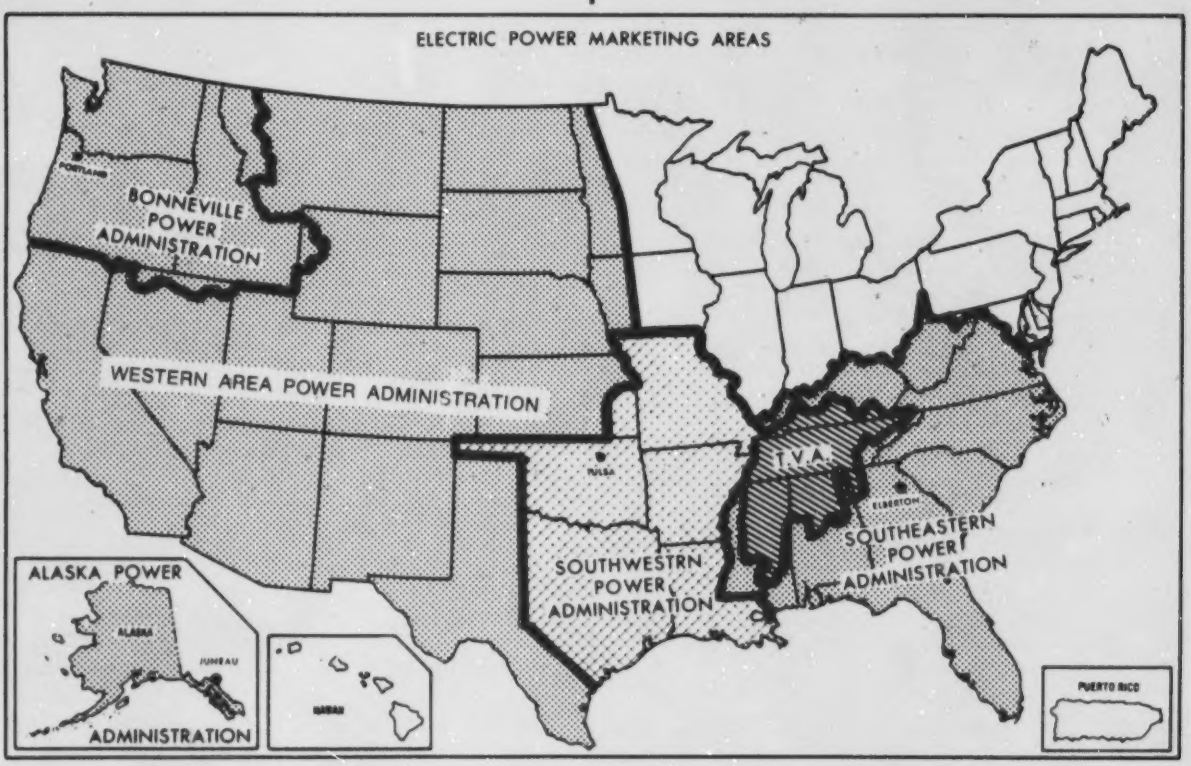
Administrator: Robert J. Cross

APA is responsible for operating, maintaining, and marketing the power of the two federal hydroelectric projects in Alaska, the Eklutna Project, serving the Anchorage-Palmer area, and the Snettisham Project, serving the Juneau area. APA also invesigates and plans for the development of the water, power, and related resources of Alaska. Pub.: Annual report.

+BONNEVILLE POWER ADMINISTRATION
(BPA)
P.O. Box 3621
Portland, Oregon 97208
503-234-3361

Administrator: Sanford Sterling Munro, Jr.

Established in 1937, BPA markets power from projects constructed by the Army Corps of Engineers and the Bureau of Reclamation in the Columbia River Basin. BPA has 158 customers, including 120



ELECTRIC UTILITIES - FEDERAL AGENCIES

public agencies, 11 private utilities, 17 industrial firms, and 10 governmental agencies. BPA's transmission grid serves as the backbone grid for northwest utilities. The agency is constructing the largest 500,000-volt transmission grid in the free world. On June 30, 1976, BPA had 12,614 circuit miles of transmission line and 347 substations in service. It is responsible for construction and operation of the northern portion of the 800,000-volt direct current Pacific Northwest-Pacific Southwest Intertie. This 846-mile-long D.C. line connects Celilo Converter Station at The Dalles, Oregon, with the Sylmar Converter Station in Los Angeles. Pub.: Annual report. Numerous other brochures and technical reports (list available).

+SOUTHEASTERN POWER ADMINISTRATION (SEPA)
Samuel Elbert Building
Elberton, Georgia 30635
404-283-3261

Administrator: Jan Fortune

Markets power in 11 southeastern states from Army Corps of Engineers' hydroelectric projects. Most of SEPA's power is sold to rural electric cooperatives and the Tennessee Valley Authority; it also sells power to state and local agencies and private utility companies. No publications are available for distribution to the public.

+SOUTHWESTERN POWER ADMINISTRATION (SPA)
P.O. Box 1619
Tulsa, Oklahoma 74101
918-581-7474

Administrator: James B. Hammett (Acting)

Markets power from Army Corps of Engineers projects in the states of Arkansas, Missouri, Oklahoma, and Texas. As of June 30, 1976, the agency was the designated marketing agent for 21 completed projects. During fiscal year 1976, SPA sold 43% of its power to cooperative utilities, 31% to private utilities, 23% to municipalities, and smaller amounts to other governmental agencies. Pub.: Annual report.

+WESTERN AREA POWER ADMINISTRATION (WAPA)
P.O. Box 25007
Denver, Colorado 80225
303-234-2064

Administrator: Robert McPhail (Acting)

Responsible for marketing power from federal hydroelectric generating stations in 15 states: California, Oregon, Nevada, Montana, Arizona, Utah, New Mexico, Texas, North Dakota, South Dakota, Iowa, Colorado, Wyoming, Minnesota, and Nebraska. WAPA was created in late 1977. It is responsible for 16,235 miles of transmission lines, serving 456 customers comprised mainly of state and local agencies. WAPA marketing responsibilities were formerly carried out by the Bureau of Reclamation.

Emergency Electric Power Administration

+EMERGENCY ELECTRIC POWER ADMINISTRATION (EEPA)
Department of Energy
Washington, D.C 20585
202-343-7521

Director: Phillip Swart (Acting)

Formerly called the Defense Electric Power Administration, in the Department of the Interior, EEPA is a "standby organization" which, in the event of a declared civil defense emergency or an attack on the U.S., would be activated and would exercise the emergency authority of the Secretary of Energy with respect to electric power. In peacetime, its staff consists of a small number of of paid professional employees who develop preparedness plans for emergencies and maintain the field organization in a state of readiness.

EEPA's field organization consists of experienced volunteers in the electric

ELECTRIC UTILITIES - FEDERAL AGENCIES

power industry who serve as federal employees without compensation. EEPA is decentralized into 12 electric power areas. In the event of an emergency, area directors may order curtailment of non-essential uses of electricity, direct restoration of electric service for essential uses, take appropriate measures to establish emergency power interconnections, arrange for transfer of manpower, equipment, and materials, and requisition materials from inventories of utilities. Pub.: A Guide to the Defense Electric Power Administration, 1972, includes a list of technical publications.

Regional Electric Reliability Councils

Nearly all of the nation's electric utilities are members of one of the nine electric reliability councils which report annually to DOE. Each report contains valuable information on future plants and power lines, plus detailed ten-year load projections for each utility. The territories of the reliability councils are shown on the map, below.

+ECAR - East Central Area Reliability Council

+MAIN - Mid-America Interpool Network

+MAAC - Mid-Atlantic Area Council

+MARCA - Mid-Continent Area Reliability Coordination Agreement

+NPCC - Northeast Power Coordinating Council

+SERC - Southeastern Electric Reliability Council

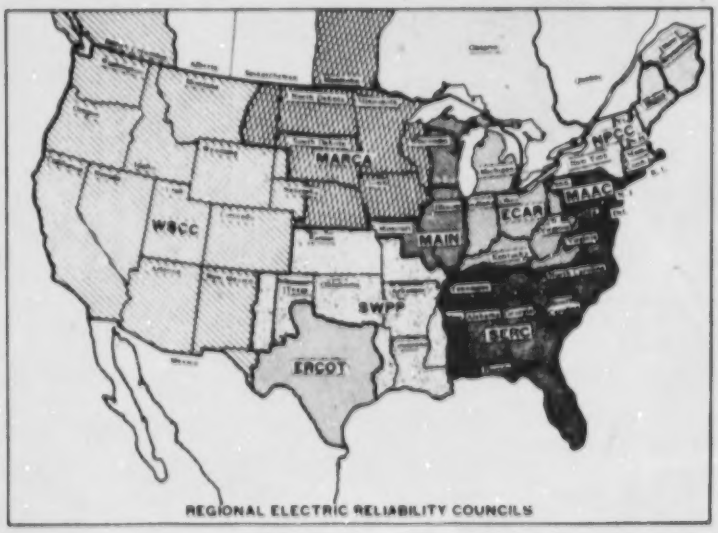
+SWPP - Southwest Power Pool

+ERCOT - Electric Reliability Council of Texas

+WSCC - Western Systems Coordinating Council

Publications: Some of the major publications issued by the former Federal Power Commission in the area of electric power are listed below. Publications series of the new Federal Energy Regulatory Commission have not yet been determined, but it can be assumed that many of the same series will be continued in one form or another.

Electric Power Statistics, consisting of monthly pamphlets summarizing the production and sale of electrical energy.



REGIONAL ELECTRIC RELIABILITY COUNCILS

ELECTRIC UTILITIES - FEDERAL AGENCIES

capacity of generating plants, consumption of fuel for production of energy, and electric system loads for all utilities of all types of ownership; also sales, revenues, and income of privately-owned electric utilities, by states and geographic divisions. Available by subscription.

Hydroelectric Plant Construction Cost and Annual Production Expenses, showing costs of plant, production expenses statistics on plant capacity, plant output, and characteristics for plants in the U.S. and Puerto Rico. Annual.

Hydroelectric Power Resources of the United States, Developed and Undeveloped, with maps and charts.

National Electric Rate Book, consisting of reports published annually for each state, listing rate schedules for all investor-owned and municipal utilities.

National Power Survey (1972), consisting of four parts: Part I, a nationwide study; Part II, covering the Northeast, East Central, and Southeast regions; Part III, covering the rest of the country; and Part IV, reporting on generation, transmission, distribution, and load forecasting.

Principal Electric Facilities, a set of 8 regional maps showing generation stations and high-voltage transmission lines.

Typical Electric Bills, annual, reporting on residential bills in cities of 2,500 population and more, and commercial and industrial bills in cities of 50,000 and over.

World Power Data, a periodic report on electric generating capacity and electric energy production.

Major sources of information about the nearly 3,500 electric utilities in the United States are the various reports filed by utilities with the Federal Energy Regulatory Commission. These include the following forms, copies of which are available from the FERC, the individual utilities, or state regulatory utility agencies: Form 1, Electric Utility Annual Report, listing financial information and power statistics; Form 12, Power System Statement, annual, containing data on generation and transmission operations, including peak loads and peak load projections; Form 19, Emergency Report Form, on conservation measures taken; Energy Conservation Report, annual.

SECURITIES AND EXCHANGE COMMISSION
(SEC)
500 N. Capitol Street
Washington, D.C. 20549
202-655-4000

Chairman: Harold M. Williams
Executive Director: Benjamin Milk (Acting)

Under the Public Utility Holding Act of 1935, the SEC regulates the purchase and sales of securities and assets by companies in electric and gas utility holding company systems, their intrasystem transactions and service, and management arrangements. It limits holding companies to a single coordinated utility system and requires simplification of complex corporate and capital structures and elimination of unfair distribution of voting power among holders of system securities.

Pub.: SEC Docket, weekly compilation of releases. News Digest, daily report of Commission announcements, decisions, etc. Statistical Bulletin, weekly. Official Summary, monthly.

Regional Offices, Securities and Exchange Commission:

+Region 1 Office, SEC
26 Federal Plaza
New York, New York 10007

+Region 2 Office, SEC
150 Causeway Street
Boston, Massachusetts 02114

+Region 3 Office, SEC
1375 Peachtree Street, N.E.
Atlanta, Georgia 30309

ELECTRIC UTILITIES - FEDERAL AGENCIES

+Region 4 Office, SEC
219 S. Dearborn Street
Chicago, Illinois 60604

+Region 5 Office, SEC
10th and Lamar Streets
Fort Worth, Texas 76102

+Region 6 Office, SEC
Two Park Central
1515 Arapahoe Street
Denver, Colorado 80202

+Region 7 Office, SEC
10960 Wilshire Boulevard
Los Angeles, California 90024

+Region 8 Office, SEC
915 Second Avenue
Seattle, Washington 98174

+Region 9 Office, SEC
4015 Wilson Boulevard
Arlington, Virginia 22203

TENNESSEE VALLEY AUTHORITY (TVA)
400 Commerce Avenue
Knoxville, Tennessee 37902
615-623-2101

Chairman: Aubrey J. Wagner
Director: William L. Jenkins
Director: S. David Freeman
General Manager: Lynn Seeber

+Office of Power, TVA
Chattanooga, Tennessee 37401
615-755-3011

Manager of Power: Godwin Williams, Jr.
Director of Energy Research:
Harold L. Falkenberry

TVA is a corporate agency of the federal government, created by Congress in 1933 as a regional resource development agency. One of its major functions is the production and marketing of electricity, and it is the largest single U.S. producer of electric power. As of June 30, 1977, system capacity totaled 28,298,460 kilowatts, consisting of 17.7 million kilowatts of coal-fired steam, 3.4 million kw of nuclear, 2.5 million kw of combustion turbine, and 4.5 million kw of hydro. The hydro capacity includes 853,000 kw built by the Army Corps of Engineers on the Cumberland River and 423,715 owned by the Aluminum Company of America on tributaries of the Tennessee River.

About 61% of TWA power sales in 1976 were made at wholesale to 110 municipal utilities and 50 rural electric cooperatives serving some 2.5 million consumers in Tennessee, northern Alabama, northern and eastern Mississippi, southern Kentucky, and smaller areas in Georgia, North Carolina, and Virginia. TVA also sells power to private industries and federal agencies, and minor amounts to private utilities. Pub.: Annual Report, including a map of the system.

STATE AGENCIES

The state regulatory utility agencies, listed in Chapter 1 of this book, generally have authority to regulate at least the privately-owned electric utilities in their states. The extent of authority of the state commissions over the various facets of electric power is described in a Federal Energy Regulatory Commission publication, Federal and State Commission Jurisdiction and Regulation.

State-level public electric utilities exist in a few states; some major examples are:

ARIZONA POWER AUTHORITY
1810 W. Adams Street
Phoenix, Arizona 85005
602-271-4623

CALIFORNIA DEPARTMENT OF WATER RESOURCES
1416 Ninth Street
Sacramento, California 95814
916-455-6692

COLORADO RIVER COMMISSION OF NEVADA
P.O. Box 1748
Las Vegas, Nevada 89101

POWER AUTHORITY OF THE STATE OF NEW YORK
10 Columbus Circle
New York, New York 10019
212-265-6510

ELECTRIC UTILITIES - OTHER ORGS.

OTHER ORGANIZATIONS

ALABAMA RURAL ELECTRIC ASSOCIATION OF COOPERATIVES
3 S. Jackson Street
Montgomery, Alabama 36107
205-262-8387

Executive Vice President: Dail Gibbs

AMERICAN MUNICIPAL POWER - INDIANA, INC.
P.O. Box 159
Tipton, Indiana 46072

Organization of local publicly-owned systems.

AMERICAN MUNICIPAL POWER - OHIO, INC.
P.O. Box 5815
Columbus, Ohio 43221
614-488-4941

President: John Engle

Organization of local publicly-owned systems.

AMERICAN POWER CONFERENCE
c/o Illinois Institute of Technology
Chicago, Illinois 60616

An annual forum on issues of concern to the electric utility and power industries. Proceedings are published.

AMERICAN PUBLIC POWER ASSOCIATION (APPA)
2600 Virginia Avenue, N.W.
Washington, D.C. 20037
202-333-9200

General Manager: Alex Radin

A service organization representing some 1,400 local publicly-owned electric utilities in 47 states and 4 territories. Lobbies at the federal level; holds technical workshops and continuing education programs for management; carries on a consumer information and marketing program; and provides such services to utilities as rate schedules, employee training manuals, assistance with problems before federal regulatory agencies, and review of contracts. Pub.: Public Power Magazine, bimonthly. Public Power Weekly Newsletter (not available to members). Various manuals, booklets, and pamphlets, for example, How to Keep Cool for Less Money; How Your Electric Meter Works; Energy Conservation Guidebook; Modern Retail Rate Design; Safety Manual for an Electric Utility; Local Public Systems Provide Consumers with Low Cost Power. List available.

ARIZONA MUNICIPAL POWER USERS' ASSOCIATION
3003 N. Central Avenue
Phoenix, Arizona 85012
602-248-7213

ARKANSAS ELECTRIC COOPERATIVES, INC.
P.O. Box 510
Little Rock, Arkansas 72203
501-562-0220

ASSOCIATION OF EDISON ILLUMINATING COMPANIES
51 E. 42nd Street
New York, New York 10017
212-697-1336

Secretary: A.N. Anderson

Trade organization of privately-owned electric utilities (91 members).

ASSOCIATION OF ILLINOIS ELECTRIC COOPERATIVES
P.O. Box 3787
Springfield, Illinois 62708
217-529-5561

General Manager: Thomas H. Moore

ASSOCIATION OF LOUISIANA ELECTRIC COOPERATIVES
P.O. Box 15842
Baton Rouge, Louisiana 70816
504-293-3450

General Manager: Mark H. Bonner, Jr.

CALIFORNIA MUNICIPAL UTILITIES ASSOCIATION
11th & L Building, Room 336
Sacramento, California 95814
916-442-8981

Executive Director: Denny Valentine

Organization of local publicly-owned utilities.

COLORADO RURAL ELECTRIC ASSOCIATION
4640 Lipan Street
Denver, Colorado 80211
303-455-2700

General Manager: Dick Wilkerson

Organization of rural electric cooperatives.

COMMISSION FOR MUNICIPAL POOLING SERVICES
308 E. High Street
Jefferson City, Missouri 65101
314-635-4526

General Manager: Wendell Locke (Acting)

CONNECTICUT MUNICIPAL ELECTRIC AND GAS ASSOCIATION
c/o Norwich Public Utilities
P.O. Box 1008
Norwich, Connecticut 06360
203-887-2555

President: Robert Grimshaw

Organization of local publicly-owned utilities.

COOLING TOWER INSTITUTE (CTI)
9030 Interstate Highway 45 North, No. 216
Houston, Texas 77037

President: L. F. Probst

Promotes improvement in the technology, design, performance, and maintenance of cooling towers, including those used in electric power generating plants. Pub.: Standards; information bulletins; research reports; and technical papers, including The Energy Challenge; A New Look at Cooling Towers for the Power Generation Industry.

EASTERN WASHINGTON PUD COMMISSIONERS' ASSOCIATION
P.O. Box 2407
Pasco, Washington 99302
509-547-5591

Organization of public utility district officials.

ELECTRIC UTILITIES - OTHER ORGS.

EDISON ELECTRIC INSTITUTE (EEI)
90 Park Avenue
New York, New York 10016
212-573-8700

President: W. Dunham Crawford
Senior Vice President: H. J. Young

The "principal" association of U.S. privately-owned electric companies, representing some 225 utilities which service 77% of the country's electricity consumers and produce 73% of its electric energy supply. Maintains some 50 standing committees on which about 2500 of the "nation's top utility men and women" serve. All areas of electric utility operation and concern are covered, from accounting and conservation to consumer affairs, energy management, environment, rates, and finance. EEI has a professional staff of about 150.

Main activities are to "help electric companies generate and distribute electric energy at the lowest possible prices consistent with safe and reliable service and the interests of consumers, employees, and shareholders;" to advance the art of producing, transmitting, and distributing electricity, including promoting scientific research; and to "gather and make available factual information, data, and statistics of importance to consumers and the electric industry." Legislative and administrative action at the federal level; public information ("News media regard the Institute as the industry's voice").

Pub.: Electric Perspectives, bimonthly magazine. Statistical Year Book, annual. Electric Power Survey, annual. Weekly and monthly statistical reports. "Decisionmakers Bookshelf" series of paperbacks, including The Transitional Storm, which "alerts the reader to the facts of the energy crisis, reviews our energy situation, and presents extensive information on energy options and policies." EEI Pocketbook of Electric Utility Industry Statistics, a summary of the Year Book. Glossary of Electric Utility Terms. "Handling the Energy Crisis," a series of discussion guides. 104 Ways to Control Your Electric Bill. A Consumer's Guide to Portable Appliances. Also available are teacher and student materials, multimedia kits, and films. List of services and publications available.

ELECTRIC ENERGY ASSOCIATION (EEA)
90 Park Avenue
New York, New York 10016
212-986-4154

President: J.H.K. Shannahan

Trade organization of some 115 privately-owned electric utilities and related industries. Formed in 1972 by a merger of the Edison Electric Institute Marketing Division and the Electric Heating Association. Pub.: EEA News, monthly.

ELECTRIC POWER ASSOCIATIONS OF MISSISSIPPI
P.O. Box 8656
Jackson, Mississippi 39204
601-922-2341

Manager: Howard Langfitt

ELECTRIC POWER RESEARCH INSTITUTE (EPRI)
See Chapter 1, Energy in General, for a description of this organization.

ELECTRICAL GENERATING SYSTEMS MARKETING ASSOCIATION
435 N. Michigan Avenue, 17th Floor
Chicago, Illinois 60611
312-646-0828

Executive Director: H.L. Banbury

An international industry organization representing manufacturers and distributors involved with the generation, transmission, storage, and control of electrical energy not directly supplied by public utilities, including emergency, standby, and supplementary power. Pub.: Marketer, bimonthly. Technical publications, including Codes for Emergency Power by States and Major Cities. Membership/Product Directory. List of publications available.

ELECTRICITIES OF NORTH CAROLINA
3725 National Drive
Raleigh, North Carolina 27612
919-782-8320

Executive Director: Marshall Lancaster

Organization of local publicly-owned systems.

ELECTRIC UTILITIES - OTHER ORGS.

THE ELECTRIFICATION COUNCIL (TEC)
90 Park Avenue
New York, New York 10016
212-986-4100

Manager: Robert A. Morris

An organization of trade associations and individual manufacturers interested in expanding the market for electrical equipment and services. Publishes and disseminates training course materials in several fields of electrical applications, including electric space conditioning, fundamentals of commercial and industrial lighting, industrial and commercial power distribution, motors and motor controls, and process heating for industry. Pub.: TEC Report, monthly. Proceedings of meetings. Annual report.

ENVIRONMENTAL ACTION FOUNDATION
Dupont Circle Building, Suite 724
Washington, D.C. 20036

See Chapter 1 for a full description of this organization. Its publications have included How to Challenge Your Local Electric Utility: A Citizen's Guide to the Power Industry, an excellent compendium on the industry and its environmental and consumer aspects.

FARM ELECTRIFICATION COUNCIL (FEC)
823 Walnut Street
Des Moines, Iowa 50303
515-288-3274

Chairman: Dwight Swanson

FLORIDA MUNICIPAL UTILITIES ASSOCIATION
P.O. Box 2402
Lakeland, Florida 33803
813-682-2185

Executive Vice President: Mac H. Cunningham

Organization of local publicly-owned utilities.

FLORIDA RURAL COOPERATIVE ASSOCIATION
P.O. Box 590
Tallahassee, Florida 32302
904-877-6166

ELECTRIC UTILITIES - OTHER ORGS.

Manager: Don O'Neal

Organization of rural coops, including electric cooperatives.

GEORGIA ELECTRIC MEMBERSHIP CORPORATION
148 Cain Street, Room 845
Atlanta, Georgia 30303
404-659-3430

Executive Vice President: Haywood C. Gay

GEORGIA MUNICIPAL ASSOCIATION
Power Section
10 Pryor Street, Room 217
Atlanta, Georgia 30303
404-688-0472

General Manager: Eugene P. Nuss

GMA's Power Section is concerned with the interests of local publicly-owned electric utilities.

GRAND CANYON STATE ELECTRIC COOPERATIVE, INC.
3003 N. Central Avenue, Suite 1208
Phoenix, Arizona 85012
602-264-4198

Executive Secretary: Charles D. Wahl

Represents 6 electric coops in Arizona. Pub.: Arizona Currents, monthly.

ILLINOIS MUNICIPAL UTILITIES ASSOCIATION
107 W. Main Street
St. Charles, Illinois 60174
312-377-0776

Executive Secretary: Jim Dressen

Organization of local publicly-owned utilities.

INDIANA MUNICIPAL ELECTRIC ASSOCIATION
319 E. Water Street
North Baltimore, Ohio 45872
419-257-2118

Executive Secretary: R. Powers Luse

Organization of local publicly-owned electric utilities.

INDIANA STATEWIDE RURAL ELECTRIC COOPERATIVE, INC.
North High School Road
Indianapolis, Indiana 46224
317-248-9453

Executive Vice President: E.L. Hasnerl

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC. (IEEE)
345 E. 47th Street
New York, New York 10017
212-644-7500

General Manager: Herbert A. Schulke, Jr.

The major organization of electrical engineers. The IEEE Power Engineering Society is concerned with planning, research, development, design, application, construction, installation, and operation of electric energy generation and transmission systems. Pub.: Transactions on Power Apparatus and Systems, a bimonthly journal. Standards, including, for example, Electric Power Distribution for Industrial Plants. Books, on various specialized subjects. Transactions and conference proceedings. A catalog of IEEE publications and services is available.

INTERMOUNTAIN CONSUMER POWER ASSOCIATION
P.O. Box BB
Sandy, Utah 84070
801-561-1436

Executive Director: Joseph Fackrell

Regional association of publicly-owned systems.

INTERNATIONAL ASSOCIATION OF ELECTRICAL LEAGUES (IAEL)
2101 L Street, N.W.
Washington, D.C. 20037
202-457-8455

President: Alden F. Krieg
Executive Secretary: D.K. Shipp

Composed of 55 regional electric industry trade associations in the U.S. and Canada that represent all aspects of the electric industry. Pub.: Electric Industry Hotline, monthly.

IOWA ASSOCIATION OF ELECTRIC COOPERATIVES
Des Moines, Iowa 50302
515-244-6297

Manager: E.L. King

IOWA ASSOCIATION OF MUNICIPAL UTILITIES
Insurance Exchange Building, Room 520
Des Moines, Iowa 50309
515-282-0904

Executive Director: L.A. Touchae

Organization of local publicly-owned utilities.

KANSAS ELECTRIC COOPERATIVES, INC.
P.O. Box 4267
Topeka, Kansas 66604
913-272-8740

General Manager: Charles Ross

KANSAS MUNICIPAL UTILITIES, INC.
P.O. Box 47
McPherson, Kansas 67460
316-241-1423

Executive Director: Louis Stroup, Jr.

Organization of local publicly-owned electric utilities.

KENTUCKY ASSOCIATION OF ELECTRIC COOPERATIVES
4515 Bishop Lane
Louisville, Kentucky 40218
502-451-2430

ELECTRIC UTILITIES - OTHER ORGS.

KENTUCKY MUNICIPAL ELECTRIC POWER ASSOCIATION
214 W. Main Street
Frankfort, Kentucky 40601
502-223-2063

President: B.L. Perry

Organization of local publicly-owned systems.

MARYLAND-DISTRICT OF COLUMBIA UTILITIES ASSOCIATION
c/o PEPCO
1900 Pennsylvania Avenue, N.W.
Washington, D.C. 20006
202-872-3490

Secretary: E. Eugene Otto

Includes electric utilities.

MICHIGAN MUNICIPAL ELECTRIC ASSOCIATION
818 Cowley Avenue
Lansing, Michigan 48823
517-351-6469

Executive Director: Donald Porter

Organization of local publicly-owned systems.

MID-WEST ELECTRIC CONSUMERS ASSOCIATION
P.O. Box 910
Evergreen, Colorado 80439
303-674-6676

Executive Director: Fred G. Simonton

Regional organization of publicly-owned systems.

MINNESOTA ASSOCIATION OF ELECTRIC COOPERATIVES
4910 W. 77th Street
Minneapolis, Minnesota 55435

Manager: O.L. Lindell

ELECTRIC UTILITIES - OTHER ORGS.

MINNESOTA MUNICIPAL UTILITIES ASSOCIATION
P.O. Box B
Buffalo, Minnesota 55313

Executive Director: R. G. Kirkham

Organization of local publicly-owned utilities.

MISSOURI ASSOCIATION OF MUNICIPAL UTILITIES
P.O. Box 401
Jefferson City, Missouri 65101
314-635-4526

Executive Secretary: Wendell Locke

MISSOURI BASIN MUNICIPAL POWER AGENCY (MBMPA)
P.O. Box 984
Sioux Falls, South Dakota 57101
605-338-4042

General Manager: Russell Dau

A nonprofit group of "independent midwest municipal electric utilities in Iowa, Minnesota, and South Dakota organized to provide service and bulk power supply to municipal members" in areas served by the U.S. Bureau of Reclamation. Pub.: Newsletter, bimonthly.

MISSOURI BASIN SYSTEMS GROUP (MBSG)
10210 W. 26th Avenue, No. 6
Lakewood, Colorado 80215
303-232-3663

Executive Director: Wendell J. Garwood

An organization of "relatively small, widely-scattered, consumer-owned systems of the Upper Great Plains states" -- Montana, Wyoming, Colorado, North and South Dakota, Nebraska, and eastern Minnesota and Iowa -- for coordinating planning and pooling of facilities. Pub.: MBSG Newsletter, quarterly. Annual report.

MISSOURI ELECTRIC COOPERATIVES
2722 E. McCarty St.
Jefferson City, Missouri 65101
314-635-6857

Manager: Frank Stork

MONTANA ASSOCIATED UTILITIES, INC.
P.O. Box 1306
Great Falls, Montana 59403
406-454-1521

Executive Vice President: Riley Wm. Childers

An organization of rural electric coops. Pub.: Montana Rural Electric News, monthly.

MUNICIPAL ELECTRIC ASSOCIATION OF MASSACHUSETTS
P.O. Box 369
Marblehead, Massachusetts 01945
617-631-5600

President: Joseph Welsh

Organization of local publicy-owned utilities.

MUNICIPAL ELECTRIC ASSOCIATION OF VIRGINIA
700 Travelers Building
Richmond, Virginia 23219
804-643-0246

Organization of local publicly-owned utilities.

MUNICIPAL ELECTRIC SYSTEMS OF OKLAHOMA
P.O. Box 989
Duncan, Oklahoma 73533
405-252-0250

Organization of local publicly-owned utilities.

MUNICIPAL ELECTRIC UTILITIES ASSOCIATION OF NEW YORK
3 Broad Street
Hamilton, New York 13346
715-824-1111

Organization of local publicy-owned utilities in New York State.

MUNICIPAL ELECTRIC UTILITIES OF WISCONSIN
997 Warner Street
Columbus, Wisconsin 53925
414-623-4184

Executive Director: Don Smith

ELECTRIC UTILITIES - OTHER ORGS.

MUNICIPAL ELECTRIC UTILITY ASSOCIATION OF ALABAMA
P.O. Box 627
Troy, Alabama 36081

Secretary-Treasurer: H.S. St. John

Organization of local publicly-owned utilities.

NATIONAL ASSOCIATION OF ELECTRIC COMPANIES (NAEC)
1140 Connecticut Avenue, N.W.
Washington, D.C. 20036
202-223-3460

President: David R. Toll
Vice President: Bob Dolan

Trade organization of some 150 electric utility operating companies. Legislative action at the federal level. Issues a Weekly Letter on bills pending in Congress (for members only).

NATIONAL ELECTRIC RELIABILITY COUNCIL (NERC)
Research Park
Terhune Road
Princeton, New Jersey 08540
609-924-6050

Administrative Manager: W.D. Brown

NERC's function is to "augment the reliability of the electric utility systems in North America" via the nine regional reliability councils described above in this chapter under the U.S. Department of Energy (see Index). Pub.: Reports and analyses, including, for example, Nuclear Energy Centers: An Assessment of Impact on Reliability of Electric Power; and an annual report, Review of Overall Adequacy and Reliability of the North American Bulk Power Systems.

NATIONAL RURAL ELECTRIC COOPERATIVE ASSOCIATION
2000 Florida Avenue, N.W.
Washington, D.C. 20009
202-265-7400

Executive Vice President: Robert Partridge

The national organization of rural electric cooperatives (see Rural Electrification Administration under U.S. Department of Agriculture, above). Pub.: Rural Electrification, monthly. Brochures.

NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION (NRUCFC)
1115 30th Street, N.W.
Washington, D.C. 20007
202-337-6700

Provides supplemental financing for rural electric cooperatives supported by the Rural Electrification Administration (see REA entry under U.S. Department of Agriculture). Pub.: Newsletter, quarterly.

NEBRASKA LEAGUE OF MUNICIPALITIES
Utilities Section
1320 J Street
Lincoln, Nebraska 68508
402-432-2829

Executive Secretary: D. L. Chambers

NEBRASKA RURAL ELECTRIC ASSOCIATION
P.O. Box 82048
Lincoln, Nebraska 68501
402-475-4988

NEW MEXICO RURAL ELECTRIFICATION COOPERATIVE ASSOCIATION
P.O. Box 416
Santa Fe, New Mexico 87501
505-982-4671

NORTH CAROLINA ELECTRIC MEMBERSHIP CORPORATION
P.O. Box 27306
Raleigh, North Carolina 27611
919-872-0800

NORTH CENTRAL MISSOURI MUNICIPAL UTILITIES ASSOCIATION
121 W. Bourke Street
Macon, Missouri 63552
816-385-3173

President: Earl Switzer

ELECTRIC UTILITIES - OTHER ORGS.

NORTH DAKOTA ASSOCIATION OF RURAL ELECTRIC COOPERATIVES
P.O. Box 727
Mandan, North Dakota 58554
701-663-6501

Executive Vice President: L.G. Ulmer

NORTH IOWA MUNICIPAL ELECTRIC COOPERATIVE ASSOCIATION
c/o Municipal Light and Power
Grundy Center, Iowa 50638
319-824-5208

President: Claude W. Lines

NORTHEAST PUBLIC POWER ASSOCIATION
9 Goldsmith Street
Littleton, Massachusetts 01460
617-486-3508

General Manager: H.E. Erickson

Regional association of publicly-owned systems.

NORTHERN CALIFORNIA MUNICIPAL ELECTRIC ASSOCIATION
City Hall
Lodi, California 95240
209-368-0641

President: William Lewis

Organization of local publicly-owned utilities.

NORTHERN CALIFORNIA POWER AGENCY
1400 Coleman Avenue, G-27
Santa Clara, California 95050
408-248-3422

Executive Director: N.P. Ingraham

NORTHWEST PUBLIC POWER ASSOCIATION
P.O. Box 1307
Vancouver, Washington 98666
206-694-6553

General Manager: Henry G. Curtis

Regional association of publicly-owned and cooperative utilities. Pub.: Northwest Public Power Bulletin, 7 times a year.

OHIO MUNICIPAL ELECTRIC ASSOCIATION
319 E. Water Street
North Baltimore, Ohio 45872
419-257-2118

Executive Secretary: R. Powers Luse

Organization of local publicly-owned systems.

OHIO RURAL ELECTRIC COOPERATIVES, INC.
6677 Busch Boulevard
Columbus, Ohio 43229
614-846-5757

Manager: Howard A. Cummins

OKLAHOMA ASSOCIATION OF ELECTRIC COOPERATIVES
P.O. Box 11047
Oklahoma City, Oklahoma 73111
405-478-1455

General Manager: C.D. Langston, Jr.

OREGON PUD DIRECTORS ASSOCIATION
c/o Central Lincoln People's Utility District
255 S.W. Coast Highway
Newport, Oregon 97365
503-265-5335

President: M. F. Martin

Organization of directors of local public utility districts.

OREGON RURAL ELECTRIC COOPERATIVE ASSOCIATION
795 Winter Street, N.E.
Salem, Oregon 97301
503-585-9988

President: B.J. McCarthy

PACIFIC COAST ELECTRICAL ASSOCIATION
1545 Wilshire Boulevard, Suite 616
Los Angeles, California 90017
213-483-3891

President: F.B. Dickey
Chairman, Engineering and Operating Section: R.G. Lacy

ELECTRIC UTILITIES - OTHER ORGS.

Organization of officials of West Coast electric utilities and others concerned with the industry. Holds conferences and workshops. Pub.: Newsletter, quarterly.

PENNSYLVANIA MUNICIPAL ELECTRIC ASSOCIATION
P.O. Box 1266
Harrisburg, Pennsylvania 17108

Executive Secretary: William G. Matson

Organization of local publicly-owned systems.

PENNSYLVANIA RURAL ELECTRIC ASSOCIATION
P.O. Box 1266
Harrisburg, Pennsylvania 17108
717-233-5704

General Manager: William G. Matson

PIEDMONT MUNICIPAL POWER SYSTEMS OF SOUTH CAROLINA
Name changed to: South Carolina Association of Municipal Power Systems.

PUBLIC INTEREST ECONOMICS FOUNDATION
1714 Massachusetts Avenue, N.W.
Washington, D.C. 20036

Concerns include electric utility rates.

PUBLIC POWER COUNCIL
1310 Main Street
Vancouver, Washington 98660
206-694-6553

Manager: R.K. Dyar

PUBLIC POWER SOCIETY
4057 Udall Street
San Diego, California 92107

President: W.H. Shankman

SEMO-NEARK MUNICIPAL UTILITIES ASSOCIATION
c/o Poplar Bluff Board of Public Works
301 S. Main Street
Poplar Bluff, Missouri 63901
314-785-5749

Regional association of publicly-owned utilities in southeastern Missouri and northeastern Arkansas.

SOUTH CAROLINA ASSOCIATION OF MUNICIPAL POWER SYSTEMS
P.O. Box 64
Gaffney, South Carolina 29340
803-489-4777

President: H.F. "Dick" Crater, Jr.

Organization of local publicly-owned systems. Formerly: Piedmont Municipal Power Systems of South Carolina.

SOUTH CAROLINA ELECTRIC COOPERATIVE
P.O. Box 145
Cayce, South Carolina 29033
803-796-6060

Executive Vice President: Bob Bennett

SOUTH DAKOTA MUNICIPAL ELECTRIC ASSOCIATION
214 E. Capitol Avenue
Pierre, South Dakota 57501
605-224-8654

Executive Secretary: Ron Williamson

Organization of local publicly-owned systems.

SOUTH DAKOTA RURAL ELECTRIC ASSOCIATION
P.O. Box 1138
Pierre, South Dakota 57501
605-224-8823

SOUTH IOWA MUNICIPAL ELECTRIC COOPERATIVE ASSOCIATION
c/o Indianola Municipal Utilities
111 S. Buxton Street
Indianola, Iowa 50125
515-961-5710

President: John H. Harrison

SOUTHEASTERN ELECTRIC EXCHANGE, INC. (SEE)
270 Peachtree Street, N.W., Suite 310
Atlanta, Georgia 30303
404-524-6061

Executive Director: William B. Owens

ELECTRIC UTILITIES - OTHER ORGS.

Association of 28 investor-owned electric utilities in the Southeast. Pub.: SEE News Review, monthly. Directory of members. Conference proceedings. Publications limited to members.

SOUTHWEST WASHINGTON PUD COMMISSIONERS' ASSOCIATION
P.O. Box 1626
Vancouver, Washington 98660
206-699-3000

Vice President: Robert W. Peery

Organization of officials of public utility districts.

TENNESSEE ELECTRIC COOPERATIVE ASSOCIATION
P.O. Box 7232
Nashville, Tennessee 37210
615-244-4377

Manager: J.C. Hundley

TENNESSEE MUNICIPAL ELECTRIC POWER ASSOCIATION
P.O. Box 311
Brentwood, Tennessee 37027
615-373-5738

Executive Director: T.O. Walker

Organization of local publicly-owned utilities.

TENNESSEE VALLEY PUBLIC POWER ASSOCIATION
415 Pioneer Bank Building
Chattanooga, Tennessee 37402
615-267-6511

Executive Director: J. Wiley Bowers

Organization of publicly-owned utilities served by the Tennessee Valley Authority.

TEXAS ELECTRIC COOPERATIVES, INC.
P.O. Box 9589
Austin, Texas 78766
512-454-0311

General Manager: J.R. Cobb

VIRGINIA ASSOCIATION OF ELECTRIC COOPERATIVES
5601 Chamberlayne Road
Richmond, Virginia 23227
804-264-2801

Executive Vice President: Charles C. Jones, Jr.

WASHINGTON PUBLIC UTILITY DISTRICTS' ASSOCIATION
1601 Tower Building
Seattle, Washington 98101
206-622-7441

Executive Director: Ken Billington

WISCONSIN ELECTRIC CO-OP ASSOCIATION
P.O. Box 686
Madison, Wisconsin 53701
608-256-2318

General Manager: Walter Seaborg

WISCONSIN UTILITIES ASSOCIATION
4369 S. Howell Avenue
Milwaukee, Wisconsin 53207
414-482-0600

Managing Director: D.F. Hansman

WYOMING RURAL ELECTRIC ASSOCIATION
340 W. B Street, Suite 101
Casper, Wyoming 82601
307-234-6152

General Manager: Craig Thomas

ELECTRIC UTILITIES - MAJOR UTILITIES

MAJOR ELECTRIC UTILITIES

There are four broad types of electric utilities in the United States: privately-owned, local publicly-owned, rural electrics, and federal agencies.

FEDERAL AGENCIES

U.S. Government agencies, described above under Federal Agencies, account for some 12% of all power generated.

RURAL ELECTRICS

Over 900 rural electric cooperatives account for less than 2% of all power generated, although they have 9% of the country's electric customers.

LOCAL PUBLICLY-OWNED SYSTEMS

Publicly-owned electric utilities other than federal agencies number slightly over a thousand. They account for about 9% of all power generated in the U.S. and have about 14% of the country's electric customers.

The ten largest local publicly-owned electric systems, in alphabetical order, are:

LOS ANGELES DEPARTMENT OF WATER AND POWER
P.O. Box 111
Los Angeles, California 90054
213-481-4211

JACKSONVILLE ELECTRIC AUTHORITY
220 E. Bay Street
Jacksonville, Florida 32202
904-633-4730

MEMPHIS LIGHT, GAS AND WATER DIVISION
220 S. Main Street
Memphis, Tennessee 38147
901-528-4011

NASHVILLE ELECTRIC POWER BOARD
Metropolitan Government of Nashville and Davidson County
1214 Church Street
Nashville, Tennessee 37246
615-747-3981

OMAHA PUBLIC POWER DISTRICT
Electric Building
17th and Harney Streets
Omaha, Nebraska 68102
402-341-3100

PUERTO RICO WATER RESOURCES AUTHORITY
P.O. Box 4267
San Juan, Puerto Rico 00936

SACRAMENTO MUNICIPAL UTILITY DISTRICT
6201 S Street
Sacramento, California 95813
916-452-3211

SALT RIVER PROJECT
P.O. Box 1980
Phoenix, Arizona 85001
602-273-5900

SAN ANTONIO PUBLIC SERVICE BOARD
P.O. Box 1771
San Antonio, Texas 78206
512-227-3211

SEATTLE DEPARTMENT OF LIGHTING
1015 Third Avenue
Seattle, Washington 98104
206-623-7600

PRIVATELY-OWNED SYSTEMS

There are some 275 privately owned, or "investor-owned" electric utilities in the U.S., accounting for about 77% of all power generated and 77% of all electric customers.

The ten largest privately-owned electric systems, in alphabetical order, are:

COMMONWEALTH EDISON COMPANY
P.O. Box 767
Chicago, Illinois 60690

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
4 Irving Place
New York, New York 10003

CONSUMERS POWER COMPANY
212 W. Michigan Avenue
Jackson, Michigan 49201

THE DETROIT EDISON COMPANY
2000 Second Avenue
Detroit, Michigan 48226

FLORIDA POWER AND LIGHT COMPANY
P.O. Box 3100
Miami, Florida 33101

NIAGARA MOHAWK POWER CORPORATION
300 Erie Boulevard West
Syracuse, New York 13202

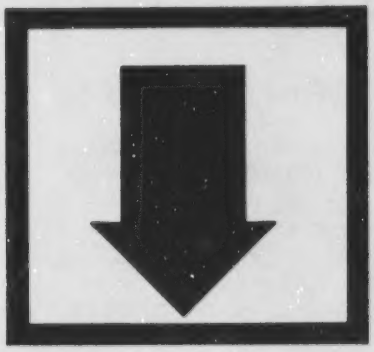
PACIFIC GAS & ELECTRIC COMPANY
77 Beale Street
San Francisco, California 94106

PHILADELPHIA ELECTRIC COMPANY
P.O. Box 8699
Philadelphia, Pennsylvania 19101

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
P.O. Box 570
Newark, New Jersey 07101

SOUTHERN CALIFORNIA EDISON COMPANY
P.O. Box 800
Rosemead, California 91770

8. Energy Conservation



Federal Agencies, page 182
State and Local Agencies, page 183
Other Organizations, page 184

The "energy crisis" is popularly viewed as an apparent inability of the energy industry to supply growing "needs" for energy. However, enormous amounts of energy are wasted in the United States. Listed in this chapter are organizations concerned with cutting down on the consumption of energy and promoting its more efficient use.

CONSERVATION - FEDERAL AGENCIES

FEDERAL AGENCIES

Note: Most of the federal agencies listed elsewhere in this book are concerned in some way with the conservation, as well as the production and distribution, of energy. For example, in supervising oil and gas leases on federal lands, the U.S. Geological Survey is charged with minimizing waste. The following agencies are concerned more specifically with cutting down on the use of energy as a means of dealing with shortages and minimizing the environmental impacts of new energy development.

COUNCIL ON ENVIRONMENTAL QUALITY (CEQ)
722 Jackson Place, N.W.
Washington, D.C. 20006
202-382-1415

Chairman: Charles Warren

For a general description of CEQ, see Chapter 9. Activities in the area of energy conservation have included a study of auto efficiency incentives, and a study of demand for gasoline and impacts of alternative gasoline taxes.

DEPARTMENT OF AGRICULTURE (USDA)
Washington, D.C. 20250

Secretary of Agriculture: Bob Bergland

+EXTENSION SERVICE

Administrator: J.S. Bottum (Acting)

Provides educational materials on energy conservation through the cooperative extension service of each state. (Also available from the USDA Publications Division, Office of Communication, Washington, D.C. 20250.)

Examples of publications: A Guide to Energy Savings for the Poultry Producer. Solar Heating for Milking Parlors. List available.

DEPARTMENT OF COMMERCE
Washington, D.C. 20250

Secretary of Commerce: Juanita M. Kreps

+NATIONAL BUREAU OF STANDARDS (NBS)
Washington, D.C. 20234
301-921-1000 (Information)

Director: Ernest Ambler (Acting)

NBS develops measurement methods and standards related to such energy-saving matters as appliance efficiency and energy conservation in buildings, communities, and industry. It also conducts tests and demonstrations relating to energy efficiency in its Solar Heating and Cooling Demonstration Program.

DEPARTMENT OF ENERGY (DOE)
Washington, D.C. 20545
202-252-5000

Secretary of Energy: James R. Schlesinger
Assistant Secretary for Conservation and Solar Applications: Donald E. Beattie (Acting)
Assistant Secretary for Energy Technology: Robert D. Thorne (Acting)
Executive Director, Federal Energy Regulatory Commission: William G. McDonald

For a general description of the new Department of Energy, see Chapter 1.

The office of the Assistant Secretary for Conservation and Solar Applications has the main responsibility for energy conservation programs within the Department. It is charged with developing and implementing conservation measures to improve energy efficiency and system utilization, and reduce energy consumption in transportation, buildings and community systems, industry and commerce, and utilities; conducting technology application programs to improve energy efficiency and system utilization and reduce energy consumption in all sectors; and conducting activities to promote commercialization of energy conservation. It also administers assigned regulatory programs in this field. Activities carried

CONSERVATION - FEDERAL AGENCIES

out by this office were transferred from the Department of Commerce, Department of Housing and Urban Development, Federal Energy Administration, and Energy Research and Development Administration.

The office of the Assistant Secretary for Energy Technology conducts a wide variety of research, development, and technology demonstration projects related to energy conservation. These include projects on automobile efficiency, alternative combustion engines, truck and bus efficiency, industrial waste reduction, and process efficiency in manufacturing.

By regulating interstate oil pipelines and the sale of electricity and natural gas in interstate commerce, the Federal Energy Regulatory Commission (FERC), an independent body within DOE, influences the prices, and thus the consumption, of those sources of energy. (See Chapters 1, 2, and 7 for more detailed information about FERC.)

DEPARTMENT OF TRANSPORTATION (DOT)
Washington, D.C. 20590
202-426-4000 (Information)

Secretary of Transportation: Brock Adams
Director, Office of Transportation Energy Policy: Donald J. Igo
Assistant Secretary, Systems Development and Technology: William D. Owens (Acting)

DOT has been the lead federal agency in promoting a shift of people and freight to more efficient modes of travel. It has focused on Congressional enactment of legislation to permit use of a portion of the Highway Trust Fund for mass transit purposes, and is considering proposals to increase use of rail and water freight carriers. It conducts research and development programs on engine efficiency, fuel economy, and high-performance advanced batteries needed to make electric vehicles a viable possibility.

Pub.: Transportation U.S.A., quarterly. The Cost of Operating an Automobile (Federal Highway Administration), every two years. Many other publications; list available.

ENVIRONMENTAL PROTECTION AGENCY (EPA)
Washington, D.C. 20460
202-755-2673

Administrator: Douglas M. Costle
Assistant Administrator for Air and Waste Management: Edward F. Tuerk (Acting)
Deputy Assistant Administrator for Mobile Source Air Pollution Control: Eric O. Stork

As part of its air pollution program, EPA tests and publicizes the miles-per-gallon fuel efficiency of motor vehicles. EPA's Office of Research and Development has also been concerned with energy conservation; see, for example, Energy Conservation Strategies, July 1973.

GENERAL SERVICES ADMINISTRATION (GSA)
Washington, D.C. 20405
202-655-4000 (Information)

Administrator: Joel W. (Jay) Solomon
Commissioner, Public Buildings Service: Thomas L. Peyton, Jr.

GSA manages the federal government's property and records, including construction and operation of buildings. It works with other governmental agencies to reduce energy consumption in operation of government-run buildings and vehicles, and also assists other agencies in increasing carpooling and better use of parking space.

GSA, which owns some 10,000 buildings, has "stopped designing buildings that devour and waste energy. New design features can cut energy consumption by as much as 50%."

STATE AND LOCAL AGENCIES

See Chapter 1, Energy in General, for a description of state and local energy policy agencies, most of which are actively concerned with energy conservation. Other state and local authorities that are involved with conservation of energy include, for example, building code enforcement agencies (regarding insulation requirements); consumer protection agencies (efficiency of household appliances); and state police or highway patrols (enforcement of the

55 mph speed limit).

OTHER ORGANIZATIONS

Many of the organizations listed in Chapter 1, Energy in General, and Chapter 9, Environmental Impacts, are concerned with energy conservation.

AIR CONDITIONING AND REFRIGERATION INSTITUTE
1815 N. Ft. Myer Drive
Arlington, Virginia 22209
703-524-8800

A trade association of manufacturers of air conditioning and refrigeration equipment. Pub.: Air Conditioning, Heating and Refrigeration. Heat, Cool and Save Energy with a Heat Pump. Save Energy, Save Money, and Keep Your Home Cool and Comfortable.

AIR TRANSPORT ASSOCIATION OF AMERICA (ATA)
1709 New York Avenue, N.W.
Washington, D.C. 20006
202-872-4000

President: Paul R. Ignatius

The trade and service organization of the scheduled airlines of the U.S. Concerns have included reduction of fuel consumption. Pub.: Airlinews, monthly. Air Transport, annual compilation of facts and figures.

ALLIANCE TO SAVE ENERGY
1925 K Street, N.W.
Washington, D.C. 20006

Director: Richard McGraw

A nonpartisan organization formed in early 1977 to develop broad-based citizen support for energy conservation measures. Composed of leaders in industry, labor, education, and government, and representatives of minority, consumer, and environmental organizations. Initial sponsors were Sen. Charles Percy (R-Illinois) and the late Sen. Hubert Humphrey (D-Minnesota). By identifying wasteful uses of energy, setting goals for energy conservation, and monitoring energy consumption, the Alliance hopes to move the country toward wiser resource use. The New York State Alliance to Save Energy (listed below) is related. Both groups have received major funding from the Ford Foundation.

AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO)
341 National Press Building
Washington, D.C. 20045
202-624-5800

Executive Director: Henrik E. Stafseth

Concerns have included energy efficient transportation, and side effects of energy conservation measures on state highway and transportation systems, particularly reduction of motor fuel tax revenues. AASHTO advocates "assignment of an "equitable percentage of any federal energy conservation fuel tax revenues to transportation programs to improve the energy effectiveness and efficiency of transportation systems, or provide facility and service alternatives necessary to maintain adequate transportation service levels." Has an Energy Task Force. Pub.: AASHTO Quarterly.

AMERICAN AUTOMOBILE ASSOCIATION (AAA)
8111 Gatehouse Road
Falls Church, Virginia 22042
703-222-6331

President: James B. Creal
Managing Director, Public/Government Policy: J.K. Aldous

National organization representing the interests of automobile owners. 16,000,000 members. AAA's Gas Watchers program promotes "how to make 5 gallons of gasoline do the work of 6 -- to help your pocketbook and prevent tough controls on driving." Pub.: Reprintable materials on gasoline economy are available to organizations. Gas Watchers Guide (14 pages), available in quantity.

CONSERVATION - OTHER ORGANIZATIONS

AMERICAN HOME LIGHTING INSTITUTE (AHLI)
230 N. Michigan Avenue
Chicago, Illinois 60601
312-236-3816

Managing Director: Arnold Rodin

Trade organization that promotes "proper uses of residential lighting." Revised standards for home lighting "with emphasis on energy conservation" were to be published in early 1978. Pub.: Light Rays, bimonthly. Transportation Notes, quarterly.

THE AMERICAN INSTITUTE OF ARCHITECTS (AIA)
1735 New York Avenue, N.W.
Washington, D.C. 20006
202-785-7300

Executive Vice President: William L. Slayton
Special Programs Director (Energy): Joseph A. Demkin

The national professional society of architects. Concerns include efficient energy use in the design and construction of the built environment. AIA has supported efforts in Congress to support and fund research on building design as it relates to energy conservation. Disseminates information on energy conservation to its membership.

Pub.: AIA Journal, monthly. AIA Energy Notebook, initiated in 1975, is a continuing information service on energy as it relates to architectural practice; it is updated quarterly. Energy Newsletter, 10 times a year, supplements service with news, notices of publications, and information on seminars and other events. Energy and the Built Environment: A Gap in Current Strategies (1974).

AMERICAN INSTITUTE OF PLANT ENGINEERS (AIPE)
1021 Delta Avenue
Cincinnati, Ohio 45208
513-321-9412

Executive Director: Walter A. Schaw
Chairman, Energy Committee: Corliss Van Horn

Professional organization of plant (factory) engineers. Energy conservation has been a major concern. Pub.: AIPE Journal, quarterly. AIPE Newsletter. Better Ideas for Conserving Energy (1974). Publications Reprint Service provides copies of such articles as "The Energy Crisis and Industrial Fuels" and "In-Plant Energy Conservation."

AMERICAN MANAGEMENT ASSOCIATIONS (AMA)
135 W. 50th Street
New York, New York 10020
212-586-8100

President: James L. Hayes
Director, Energy Management: Howard H. Danford

Professional organization of management executives in industry, commerce, government, and non-commercial organizations. Has held a series of executive workshops and conferences, "Managing the Energy Dilemma," sponsored by the former Federal Energy Administration. Pub.: Management News, monthly. Management Review, monthly. Seminar workbooks.

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS, INC. (ASHRAE)
345 E. 47th Street
New York, New York 10017
212-644-7953

Secretary: Andrew Boggs, III
Director of Research and Technical Services: Joseph F. Cuba

Professional organization. Conducts research projects in energy conservation, e.g., on friction in air ducts. Develops standards, including, for instance, "Energy Conservation in New Building Design" (Standard 90-75), and "Energy Conservation in Existing Buildings" (a new series). Other publications include: ASHRAE Journal, monthly. ASHRAE Transactions (papers presented at meetings). A catalog of publications is available.

AMERICAN SOCIETY OF LUBRICATION ENGINEERS
838 Busse Highway
Park Ridge, Illinois 60068
312-825-5536

Manager: Maxine Hensley

Professional association. Concerns have included conservation of lubricants. Pub.: Lubrication Engineering, monthly.

ASSOCIATION OF AMERICAN RAILROADS (AAR)
405 American Railroads Building
Washington, D.C. 20036
202-293-4000

President: Stephen Ailes

The "central coordinating and research agency of the American railway industry." Promotes use of railroads as a more energy-efficient mode of transportation compared to other means. Pub.: Information Letter, weekly. Statistical and research reports.

ASSOCIATION OF HOME APPLIANCE MANUFACTURERS
20 N. Wacker Drive
Chicago, Illinois 60606
312-236-2921

President: Guenther Baumgart

Trade organization whose concerns include energy consumption and efficiency of home appliances. Issues guidelines for efficient use of such products; standards and certification. Pub.: Brochures, e.g., "Facts on Energy Use and Conservation for Refrigerators and Freezers." Filmstrips.

ASSOCIATION OF PHYSICAL PLANT ADMINISTRATORS OF UNIVERSITIES AND COLLEGES
11 Dupont Circle, Suite 250
Washington, D.C. 20036

Professional organization with a major interest in energy conservation. Publications have included an Energy Conservation Checklist for Universities and Colleges.

CONSERVATION - OTHER ORGANIZATIONS

AUTOMOTIVE INFORMATION COUNCIL (AIC)
28333 Telegraph Road
Southfield, Michigan 48034
313-358-0290

President: Ronald H. Weiner

Public information umbrella group for the automotive industry. Members are manufacturers, distributors, and others involved in the industry. Pub.: Distributes a weekly column for newspapers, "You and Your Car." AIC Action Report, sent to members and the business trade press. Brochures on auto fuel savings.

AUTOMOTIVE PARTS AND ACCESSORIES ASSOCIATION, INC.
1730 K Street, N.W.
Washington, D.C. 20006
202-833-3450

Executive Vice President: Julian Morris

Trade organization. Provides information to members and the public on auto maintenance that results in better gasoline mileage. Pub.: Brochures.

AUTOMOTIVE SERVICE COUNCILS, INC.
188 Industrial Drive, Suite 112
Elmhurst, Illinois 60126
312-530-2330

Executive Vice President: George W. Merwin, III

Projects have included an Energy Cost Reduction Program, sponsored by the former Federal Energy Administration, which resulted in a handbook, Energy Cost Reduction for Automotive Service Facilities.

BUILDING OFFICIALS AND CODE ADMINISTRATORS INTERNATIONAL, INC. (BOCA INTERNATIONAL)
1313 E. 60th Street
Chicago, Illinois 60637
312-947-2580

National organization of state and local building code officials, which promulgates model building regulations and evaluates systems and concepts relating to building regulations.

Pub.: BOCA Bulletin, biweekly. The Building Official and Code Administrator, monthly.

CENTER FOR THE VISUAL ENVIRONMENT
1785 Massachusetts Avenue, N.W.
Washington, D.C. 20036

Interests include energy conservation aspects of building recycling. Pub.: Case studies; bibliographies.

CONCERN, INC.
2233 Wisconsin Avenue, N.W.
Washington, D.C. 20007
202-965-0066

President: Margaret Mickey
Chairman, Energy Committee: Ann Asher

Organized in 1970 to make consumers aware of the environmental impact of household products and practices. Advises the U.S. Department of Energy; promoted a bicentennial solar and energy conservation exhibit in Washington; has an "Energy Conservation" booklet in its Eco-Tips series.

CONSERVATION FOUNDATION
1717 Massachusetts Avenue, N.W.
Washington, D.C. 20036
202-797-4300

See description in Chapter 1. Has issued an Energy Conservation Training Manual (1976) for a series of Energy Conservation Training Institutes held in each of the ten federal regions.

CONSTRUCTION SPECIFICATIONS INSTITUTE
1150 17th Street, N.W., Suite 300
Washington, D.C. 20036
202-833-2160

Comptroller: Jones Isaac

Conducts research on and issues specifications for building construction. Publications include Energy Conservation in Buildings: Techniques for Economical Design.

CONSERVATION - OTHER ORGANIZATIONS

COUNCIL FOR AGRICULTURAL SCIENCE AND TECHNOLOGY
Agronomy Building
Iowa State University
Ames, Iowa 50011

Concerns have included energy use and conservation in agriculture. Pub.: Energy in Agriculture. Potential for Energy Conservation in Agricultural Production. Energy Use in Agriculture: Now and for the Future.

COUNCIL OF BETTER BUSINESS BUREAUS
1150 17th Street, N.W.
Washington, D.C. 20036
202-467-5200

Distributes pamphlets on energy conservation, including "Saving Energy" and "Tips on Saving Energy."

ELECTRIC AUTO ASSOCIATION
1674 Merrill Drive, No. 12
San Jose, California 95124
408-264-8936

President: Walter Laski

Promotes construction of electric automobiles; exchange of technical information.

ELECTRIC ENERGY ASSOCIATION
See Chapter 7, Electric Utilities, for a description of this organization. It issues a number of conservation publications for various audiences.

ENERGY CONSERVATION COUNCIL (ECC)
P.O. Box 7800
Atlanta, Georgia 30309

Formed by professional engineers and architects to find ways of trimming fuel use in new and existing buildings. Pub.: Newsletter; technical reports.

ENVIRONMENTAL LAW INSTITUTE
See Chapter 1, Energy in General, for a description of this organization's Energy Conservation Project.

CONSERVATION - OTHER ORGANIZATIONS

ENVIRONMENTAL RESEARCH INSTITUTE
P.O. Box 156
Moose, Wyoming 83012
307-733-3387

President: Frank C. Craighead, Jr.

Conducts studies on reduction of electrical energy required to operate electric heaters, water heaters, and home heating systems.

GENERAL FEDERATION OF WOMEN'S CLUBS (GFWC)
1734 N Street, N.W.
Washington, D.C. 20036
202-347-3168

Major national women's organization, with some 600,000 members. Environmental Awareness program promotes energy conservation among members and in local communities. Pub.: GFWC Clubwoman, 9 times a year.

HIGHWAY ACTION COALITION OF ENVIRONMENTAL ACTION, INC.
1346 Connecticut Avenue, N.W., Suite 731
Washington, D.C. 20036
202-833-1845

Director: Steve Pearlman

"We are the only nonprofit public interest national transportation group. We serve as a clearinghouse for how citizens can form an active group that can effectively create a balanced transportation system." Gives legal and legislative advice to groups attempting to stop highway construction and to increase rail and other mass transport alternatives. Lobbies at the federal level to divert a portion of the federal Highway Trust Fund for mass transit development.

HIGHWAY USERS FEDERATION (HUF)
1776 Massachusetts Avenue, N.W.
Washington, D.C. 20036
202-857-1200

President: Peter G. Koltnow

National organization, established in 1970, that brings together highway using and highway related industry and business groups. It is "dedicated to the advancement of sound, efficient and economical highway use in the public interest." HUF's energy program actively encourages "energy policies that are considerate of the environment but do not penalize highway transportation or its supply industries." Opposes "efforts to reduce the efficiency and production of the energy industry through radical restructuring...we will urge that the national 55 mph speed limit be retained and enforced, for energy conservation as well as safety." Promotes car and vanpooling. Lobbies at the federal level. Pub.: HUF Reporter, monthly. Energy, Mobility and the "Third Force." Gas Saving Do's and Dont's.

ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IES)
345 E. 47th Street
New York, New York 10017
212-644-7926

President: David H. Patterson

Maintains a structure of some 70 committees that deal with lighting in its various applications, including its relation to energy use. IES's Energy Management Committee is composed of members representing the lighting industry, design professionals, government, consumers, and general interest groups. Pub.: Lighting Design & Application, a popular monthly magazine. Journal of the Illuminating Engineering Society, quarterly. IES Lighting Handbook. Technical reports, e.g., Energy Management and the Lighting of Office Buildings; list available.

INDUSTRIAL ENERGY USERS FORUM
1615 H Street, N.W.
Washington, D.C. 20006
202-659-6173

Chairman: Edward Detgen

Affiliated with the Chamber of Commerce of the United States. Concerns include exchange of information among energy-intensive industries on energy conservation questions.

CONSERVATION - OTHER ORGANIZATIONS

INSTITUTE FOR PUBLIC TRANSPORTATION
211 E. 43rd Street
New York, New York 10017
212-661-4370

Executive Director: Robert N. Rickles

Promotes public transportation through research and public information. Has published a paper, "Energy Conservation," and held a forum on conservation of energy.

INSTITUTE OF TRANSPORTATION ENGINEERS (ITE)
1815 N. Ft. Myer Drive
Arlington, Virginia 22209
703-527-5277

Executive Director: Thomas W. Brahms

Professional organization concerned with improved safety and efficiency in traffic engineering. An ad hoc committee of the ITE Technical Council issued a report, "Energy Conservation Measures," in 1977.

NAHB RESEARCH FOUNDATION, INC.
P.O. Box 1627
Rockville, Maryland 20850
301-762-4200

President: Ralph J. Johnson
Director, Building Systems: Donald F. Luebs

A wholly-owned subsidiary of the National Association of Home Builders. Consults with builders, manufacturers, trade associations, and governmental agencies regarding energy conservation. Pub.: Insulation Manual - Homes, Apartments.

NATIONAL AIR TRANSPORTATION ASSOCIATION (NATA)
1156 15th Street, N.W.
Washington, D.C. 20005
202-293-2550

President: Lawrence L. Burian

Trade organization of air taxi/charter and commuter airline operators and others connected with airports and aircraft services. Has issued a booklet, Energy Conservation for General Aviation Operations.

NATIONAL ASSOCIATION OF RECYCLING INDUSTRIES
330 Madison Avenue
New York, New York 10017
212-867-7330

Executive Vice President: M.J. Mighdoll

Promotes recycling of reusable products and materials.

NATIONAL CENTER FOR RESOURCE RECOVERY, INC.
1211 Connecticut Avenue, N.W., Suite 800
Washington, D.C. 20036
202-223-6154

President: Rocco Petrone

Conducts research on recovery of materials and energy values from municipal solid waste. Pub.: Bulletin, quarterly. Technical reports.

NATIONAL CONFERENCE OF STATES ON BUILDING CODES AND STANDARDS, INC.
1970 Chain Bridge Road
McLean, Virginia 22101
703-790-5750

Executive Director: Donald F. Pinkerton

This interstate organization serves as a nationwide forum for the exchange of ideas and discussion of building regulations and public safety. NCSBCS, working with the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) and the model building code groups, has developed ASHRAE Standard 90-75 into a "Model Code for Energy Conservation in New Building Construction. NCSBCS has also developed a supportive educational program for the new Model Code. Pub.: News, bimonthly.

NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
2101 L Street, N.W.
Washington, D.C. 20037
202-457-8400

President: Bernard H. Falk

Publications include: Energy Consumption and Life-Cycle Costs of Space-Conditioning Systems.

NATIONAL ENVIRONMENTAL SYSTEMS CONTRACTORS ASSOCIATION (NESCA)
1501 Wilson Boulevard
Arlington, Virginia 22209
703-527-0678

Trade and service organization of firms and individuals who design, install, service, or repair heating, refrigerating, and air conditioning systems. Pub.: NESCA News, monthly. Energy Management Bulletins. Principles of Air Conditioning.

NATIONAL INSULATION CONTRACTORS ASSOCIATION (NICA)
1120 19th Street, N.W., Suite 405
Washington, D.C. 20036
202-223-4406

Trade association. Pub.: NICA Outlook, monthly.

NATIONAL MINERAL WOOL INSULATION ASSOCIATION, INC. (NMWIA)
382 Springfield Avenue
Summit, New Jersey 07901
201-277-1550

Executive Vice President: Sheldon H. Cady

This trade association publishes booklets, manuals, and a slide program, all of which define the purposes of insulation in buildings, give installation details for batts, blankets, and loose wool, and describe the technical terms related to the subject. Examples: How to Insulate Homes for Gas Heating. How to Insulate Your Home Yourself. How to Save Money by Insulating Your Home.

NATIONAL SOLID WASTES MANAGEMENT ASSOCIATION
1120 Connecticut Avenue, N.W., Suite 930
Washington, D.C. 20036
202-659-4613

Executive Director: Eugene J. Wingerter

Concerns include promoting energy production from municipal solid wastes. Pub.: Technical Bulletin, monthly.

CONSERVATION - OTHER ORGANIZATIONS

NATIONAL WATERWAYS CONFERENCE
1130 17th Street, N.W.
Washington, D.C. 20036
202-638-0090

Executive Vice President: Harry N. Cook

Promotes water transportation as a means of alleviating the energy shortage. Research. Pub.: Newsletter, bimonthly. U.S. Inland Water Transportation and National Priorities in an Era of Energy Shortages, Natural Resources Depletion, Unemployment, and Inflation.

NEW YORK STATE ALLIANCE TO SAVE ENERGY
110 E. 45th Street
New York, New York 10017

Director: Richard Berman

Related to the national Alliance to Save Energy (which see).

PUBLIC TECHNOLOGY
1140 Connecticut Avenue, N.W.
Washington, D.C. 20036

Works with local governments, federal agencies, and private industry to find answers to problems of state and local governments that are amenable to technical solutions. Pub.: Energy Conservation: A Technical Guide for State and Local Government. Energy Conservation Retrofit for Existing Public and Institutional Facilities.

PUBLIC UTILITIES ADVERTISING ASSOCIATION (PUAA)
c/o Sam Poe, Secretary
Central Illinois Public Service Company
607 E. Adams Street
Springfield, Missouri 62701
217-523-3601

Organization of advertising managers of electric and other public utilities. Traditionally concerned with increasing the use of energy, the utilities are now actively promoting energy conservation. PUAA fosters exchange of ideas among utilities on energy conservation advertising. Pub.: Ad Exchange, quarterly. Bulletin, quarterly.

CONSERVATION - OTHER ORGANIZATIONS

SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION
8224 Old Courthouse Road
Vienna, Virginia 22180

This trade organization has published Guidelines for Energy Conservation in Existing Buildings and Guidelines for Energy Conservation Systems in New Buildings.

SOCIETY OF AUTOMOTIVE ENGINEERS (SAE)
400 Commonwealth Drive
Warrendale, Pennsylvania 15096
412-776-4841

General Manager: Joseph Gilbert

General objective is to develop the arts, sciences, standards, and engineering practices of the total automotive industry (including buses and off-highway vehicles). Pub.: Automotive Engineering, monthly. Numerous technical reports and standards (catalog available), including Energy and the Automobile; Energy and Transportation; Automotive Fuel Economy.

SOCIETY OF MANUFACTURING ENGINEERS (SME)
P.O. Box 930
Dearborn, Michigan 48128
313-271-1500

Executive Vice President: R. William Taylor

Professional organization that promotes the advancement of manufacturing technology. Publishes numerous reports and papers, including a series of some 20 papers in an Energy Conservation in Manufacturing series, e.g., Techniques of Energy Management; Heat Recovery, An Overview; Energy Savings in Paint Finishing. List available.

THERMAL INSULATION MANUFACTURERS ASSOCIATION, INC.
7 Kirby Plaza
Mt. Kisco, New York 10549
914-241-2284

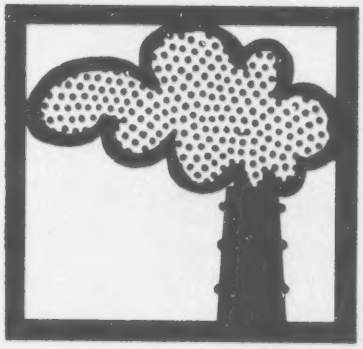
Executive Director: J.N. Barnhart

This trade group has published a manual, ECON-1: How to Determine Economic Thickness of Thermal Insulation.

UNIVERSITY OF ILLINOIS
Small Homes Council - Building Research Council
1 E. St. Mary's Road
Champaign, Illinois 61820
217-333-1801

Conducts research, publication, education, and public service in the area of housing and building. Pub.: Circulars and research reports; list available. Of special interest is Circular C1.5, "Living with the Energy Crisis," and Circular C2.3, "Illinois Lo-Cal House."

9. Environmental Impacts



Federal Agencies, page 194
State and Local Agencies, page 196
Other Organizations, page 196

Energy production and use cause much environmental damage. Water is polluted by oil spills and coal mine drainage, for example. The air is fouled by fossil-fueled generating plants. The land itself is destroyed by uncontrolled strip mining. Listed in this chapter are some major governmental agencies and citizens' groups that are concerned with the environmental impacts of energy, and references to more complete listings of environmental organizations. See pages 130-140 for groups specifically interested in the hazards of radioactive materials used in nuclear power plants. Groups involved with oil pollution issues are described on pages 84-85.

ENVIRONMENT - FEDERAL AGENCIES

FEDERAL AGENCIES

Many of the federal agencies listed elsewhere in this book are concerned with the environmental impacts of energy development, production, distribution, and use. For a detailed description of federal activities in the environmental field, see the Environmental Protection Directory, edited by the staff of the Center for California Public Affairs and published by Marquis Who's Who, Inc., 200 E. Ohio Street, Chicago, Illinois 60611.

The entries below briefly summarize activities of federal government agencies concerned with environmental impacts of energy activities.

COUNCIL ON ENVIRONMENTAL QUALITY (CEQ)
722 Jackson Place, N.W.
Washington, D.C. 20006
202-382-1415

Chairman: Charles Warren

Part of the Executive Office of the President, CEQ provides an ongoing assessment of U.S. energy research and development from an environmental standpoint, as well as a continuing analysis of changes or trends in the environment. Recent projects have included studies of the environmental impacts of proposed Alaska natural gas transportation corridors, oil and gas in coastal lands and waters, environmental effects of increased coal use, and mining on the public lands. CEQ has also been concerned with oil pollution from tankers, nuclear policy, alternate energy sources, and other energy matters. Pub.: Environmental Quality, an annual report on the state of the environment and measures being taken to protect it (with much material on energy).

FEDERAL INTERAGENCY ENERGY/ ENVIRONMENT RESEARCH AND DEVELOPMENT PROGRAM
c/o Environmental Protection Agency
(Attn.: ORD/OEMI)
Washington, D.C. 20460
202-426-4568

Started in 1975, and planned and coordinated by the Environmental Protection Agency, this interagency program coordinates energy-related environmental research and development efforts of the Departments of Agriculture; Commerce; Energy; Health, Education, and Welfare; Housing and Urban Development; and Interior; and the Environmental Protection Agency, National Aeronautics and Space Administration, and Tennessee Valley Authority. Pub.: Interagency Energy/Environment R&D Program (description of program). Who's Who in the Interagency Energy/Environment R&D Program.

DEPARTMENT OF AGRICULTURE (USDA)
Washington, D.C. 20250

The Agricultural Research Service conducts studies on use of waste material to revegetate strip mined areas and on controlling instability in mine areas. The Economic Research Service has been concerned, for example, with the impact of energy development in the northern Great Plains on income, population, and local government. The Forest Service develops guidelines for revegetation of coal and oil shale mined areas. The Soil Conservation Service has a major interest in reclamation of mined areas. See the index for specific responsibilities.

DEPARTMENT OF COMMERCE
Washington, D.C. 20230

The Department's Office of Environmental Affairs assesses overall impacts of energy development. The National Oceanic and Atmospheric Administration (NOAA) is concerned with impacts on marine fisheries; other programs include meteorological interpretation and prediction of air quality in energy development areas. See the index for specific responsibilities of Commerce Department agencies.

DEPARTMENT OF ENERGY (DOE)
Washington, D.C. 20545
202-252-5000 (Information)

Secretary of Energy: James R. Schlesinger
Assistant Secretary, Environment:
James L. Liverman (Acting)

For a general description of the new Department of Energy, see Chapter 1.

ENVIRONMENT - FEDERAL AGENCIES

The Office of the Assistant Secretary for Environment is responsible for assuring that all DOE programs are consistent with environmental and safety laws, regulations, and policies. It reviews all environmental impact statements prepared in the Department under the National Environmental Policy Act. It also conducts environmental and health-related research and development programs, such as studies of energy-related pollutants and their effects on biological systems.

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE (HEW)
Washington, D.C. 20201

The National Institute of Environmental Health Sciences and the National Institute of Occupational Safety and Health are both involved in research on the effects of pollution exposure from energy sources on humans. See the index for responsibilities of other HEW agencies.

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT (HUD)
Washington, D.C. 20410

Environmentally-related projects have included assessment of the socioeconomic impacts of energy conservation on the residential sector. See the index for other HUD responsibilities.

DEPARTMENT OF THE INTERIOR
Washington, D.C. 20240

The United States Fish and Wildlife Service is concerned with impacts of energy development on wild animal and plant resources. The U.S. Geological Survey (see Chapters 2, 3, and 4) has important responsibilities in research and monitoring on environmental effects of exploiting mineral energy resources. The Bureau of Mines conducts studies on such topics as environmental effects of coal washing. The Bureau of Land Management is responsible for subsurface resource management of 473 million acres of federal lands, primarily in the West. The Bureau of Reclamation (see Chapter 4) is required to consider environmental aspects in water development projects. The Mining Enforcement and Safety Administration (see Chapter 3) is concerned with environmental health aspects of mining. See the index under Interior Department for descriptions of specific USDI responsibilities.

ENVIRONMENTAL PROTECTION AGENCY (EPA)
Washington, D.C. 20460
202-755-2673

Administrator: Douglas M. Costle
Deputy Administrator: Barbara Blum
Assistant Administrator for Research and Development: Wilson K. Talley
Deputy Administrator, Energy, Minerals, and Industry: Stephen J. Gage

EPA endeavors to abate and control pollution systematically, by integrating a variety of research, monitoring, standard-setting, and enforcement activities. Its broad energy objectives are to minimize growth of energy demand; promote efficiency and conservation; make energy-environment impact assessments on the basis of the entire energy chain -- extraction, processing, transportation, and use -- work toward decreasing reliance on fossil fuels; maximize pollution control technology and increase energy flexibility by increasing electricity end uses, particularly in transportation; encourage clean use of domestic coal; promote development of "exotic" energy sources such as solar and geothermal; and oppose projects that promise quick energy but at high environmental cost.

EPA's energy-related projects are coordinated through its Office of Energy, Minerals and Industry (OEMI). OEMI is the focal point of the Federal Interagency Energy/Environment Research and Development Program (see the index). Pub.: A list of publications is available from the Office of Public Affairs. Lists of research reports are available from the Office of Research and Development.

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA)
Washington, D.C. 20546

NASA's energy-environment research projects have included developing instrumentation for remote environmental monitoring in energy development areas. See Chapter 6 for a more complete description of NASA activities.

TENNESSEE VALLEY AUTHORITY (TVA)
Knoxville, Tennessee 37902

See Chapter 7 for a description of TVA. Its energy-environment projects have included developing byproduct uses for treatment wastes.

STATE AND LOCAL AGENCIES

Many of the state agencies listed elsewhere in this book are concerned with the environmental impacts of energy matters. For a detailed description of state and municipal agencies concerned with environmental quality, see the Environmental Protection Directory.

OTHER ORGANIZATIONS

Because energy and environmental protection are so closely intertwined, and virtually every major national, state, or local environmental organization devotes much of its time to energy issues, we have not attempted in this book to give anything but a brief listing of the key groups. For detailed descriptions of citizen and professional environmental organizations, see our own Environmental Protection Directory or the Conservation Directory, published by the National Wildlife Federation.

AMERICAN LUNG ASSOCIATION
1740 Broadway
New York, New York 10019
212-245-8000

Managing Director: Charles R. Kiesewetter

Actively concerned with air pollution, including the relationship between energy policies and air pollution. Pub.: Air Conservation Newsletter.

CENTER FOR LAW AND SOCIAL POLICY (CLSP)
See description in Chapter 1.

CONSERVATION FOUNDATION
See description in Chapter 1.

ENVIRONMENTAL ACTION, INC.
See description in Chapter 1.

ENVIRONMENTAL DEFENSE FUND, INC. (EDF)
475 Park Avenue, S.
New York, New York 10016
212-686-4191

Executive Director: Arlie Schardt

National organization of lawyers and scientists with a major interest in environmental impacts of energy development. Pub.: EDF Letter, bimonthly. Environmental Who's Who for Northern Plains Energy Development. Policy reports.

ENVIRONMENTAL POLICY CENTER (EPC)
317 Pennsylvania Avenue, N.W.
Washington, D.C. 20003
202-547-6500

Executive Vice President: Louise Dunlap

Works to influence federal legislative and executive agency decisions on national environmental issues, specializing in energy, water resources, and land use. The affiliated Environmental Policy Institute (EPI) conducts research and analysis on energy issues. Pub.: Policy studies (list available).

FRIENDS OF THE EARTH, INC. (FOE)
124 Spear Street
San Francisco, California 94105
415-495-4770

President: David Brower

FOE is a conservation lobbying group; its sister organization, FOE Foundation, is engaged in scientific and educational work. FOE has embraced an energy policy based on a gradual halt to energy growth rates, a moratorium on nuclear fission reactors, and opposition to the supersonic transport aircraft (SST). FOE endorses less hazardous energy technologies and technologies of energy thrift. Pub.: Not Man Apart, monthly newspaper. "Soft Energy Paths," a paper by Amory Lovins that received much international attention. "Energy and Order or, If You Can't Trust the Law of Conservation of Energy, Who Can You Trust?"

ENVIRONMENT - OTHER ORGANIZATIONS

NATIONAL AUDUBON SOCIETY
950 Third Avenue
New York, New York 10022
212-832-3200

President: Elvis J. Stahr

Among the oldest and largest conservation organizations in America, Audubon urges wise policies for stripmining, oil shale development, offshore oil drilling, powerplant siting, energy conservation, and other energy-related environmental concerns. Pub.: Audubon, bimonthly magazine.

NATIONAL WILDLIFE FEDERATION (NWF)
1412 16th Street, N.W.
Washington, D.C. 20036
202-797-6800

Executive Vice President: Thomas L. Kimball

In terms of membership, NWF is the largest U.S. conservation organization. Has had an interest in energy-related environmental issues. Pub.: National Wildlife, bimonthly magazine. Conservation News, semimonthly. Conservation Report, weekly during congressional sessions. Various other reports and audio-visuals (list available).

NATURAL RESOURCES DEFENSE COUNCIL (NRDC)
122 E. 42nd Street
New York, New York 10017
212-869-0150

Executive Director: John H. Adams

A major public-interest environmental law group. Energy-related cases have included lawsuits to compel the former Atomic Energy Commission to prepare an environmental impact statement on its $5 billion liquid metal fast breeder reactor, and to challenge an oil company's advertising as a violation of the Federal Communication Commission's fairness doctrine. Pub.: NRDC Newsletter, quarterly. Various reports (list available).

SIERRA CLUB
530 Bush Street
San Francisco, California 94108
415-981-8634

Executive Director: Michael McCloskey
Chairman, National Energy Policy Committee: Ellen Winchester
Assistant Conservation Director (Energy): Eugene V. Coan

With some 200,000 members, the Sierra Club is a major grassroots environmental organization with chapters in all states. Works at the international, national, state, and local levels through educational, political, and legal means to (1) promote policies that limit the total rate of energy use to a level that will produce minimal damage to the environment, and (2) set up systems that subject energy production and use to environmental and land use constraints. The Sierra Club opposes new nuclear power plants pending (1) adequate national and global policies to curb energy waste; (2) resolution of safety problems; and (3) establishment of adequate regulatory machinery.

Pub.: Sierra, a monthly magazine. National News Report, 35 times a year. Policy reports and brochures, including "Nuclear Power and the Sierra Club" (1977) and "Energy and the Sierra Club" (1977). List of publications available from Information Services Department.

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CONSUMER - FEDERAL AGENCIES

FEDERAL AGENCIES

Note: For a detailed description of federal consumer protection activities, see the Consumer Protection Directory, edited by the staff of the Center for California Public Affairs and published by Marquis Who's Who, Inc., 200 E. Ohio Street, Chicago, Illinois 60611.

DEPARTMENT OF ENERGY
See Chapter 1, Energy in General, for a description of DOE. Consult the index for consumer interests.

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE (HEW)
Washington, D.C. 20201
202-245-6296

Secretary of Health, Education, and Welfare: Joseph A. Califano, Jr.

+OFFICE OF CONSUMER AFFAIRS
Department of Health, Education, and Welfare
Washington, D.C. 20201

Director: Frank McLaughlin (Acting)

The Director of this office is also the Special Assistant to the President for Consumer Affairs. It is responsible for analyzing and coordinating all federal activities in the consumer protection field; handling consumer complaints; providing guidance to federal agencies on the release of consumer information developed by those agencies; and assisting state and local governments in the promotion and protection of consumer interests.

DEPARTMENT OF JUSTICE
Washington, D.C. 20530
202-737-8200

Attorney General of the United States: Griffin B. Bell
Assistant Attorney General, Antitrust Division: Donald I. Baker

The Antitrust Division is responsible for enforcing the federal antitrust laws and advising other federal agencies on competitive considerations involved in their policies. Specific statutory responsibility to render such advice includes matters involved in licensing of nuclear power reactors by the Nuclear Regulatory Commission; the Interstate Oil Compact; and the development of nuclear energy. The Division is also responsible for supporting competitive policies within the federal government. It does this through comment and testimony on pending legislative and other matters; participation in interagency committees (e.g., with regard to oil import policy); and formal intervention in regulatory proceedings (e.g., before the Securities and Exchange Commission).

FEDERAL TRADE COMMISSION (FTC)
Washington, D.C. 20580
202-523-3625

Chairman: Michael Pertschuk
Secretary of the Commission: John A. Dugan (Acting)
Executive Director: R.T. McNamar
Director, Bureau of Competition: Vacancy
Director, Bureau of Economics: Darius W. Gaskins, Jr.

FTC's major responsibilities are to promote free and fair competition in interstate commerce through prevention of price-fixing agreements, boycotts, combinations in restraint of trade, and other unfair methods of competition; and to prevent discriminations in price, exclusive-dealing and tying arrangements, and corporate mergers when such practices may substantially lessen competition or tend toward monopoly. It also makes economic and statistical studies of conditions and problems affecting competition in the economy.

The FTC's Bureau of Competition has devoted much effort in recent years to investigation of alleged anticompetitive practices in the petroleum industry. The Bureau of Economics has also been actively concerned with energy matters, particularly the structure, conduct, and performance of various energy markets and the impact of governmental regulatory intervention on the price of energy products. Pub.: Economic reports; reports of investigations.

INTERSTATE COMMERCE COMMISSION (ICC)
The ICC's functions relating to transportation of oil by pipeline, including pipeline valuation and rate setting, were transferred to the new Department of Energy.

SECURITIES AND EXCHANGE COMMISSION (SEC)
Regulates companies controlling electric and gas utilities. See Chapter 2, Oil and Gas, and Chapter 7, Electric Utilities, for descriptions of this agency.

STATE AND LOCAL AGENCIES

See the Consumer Protection Directory for descriptions of state and municipal consumer protection agencies. Electric and gas utility rates and services are controlled in most states by the regulatory utility agencies listed in Chapter 1.

OTHER ORGANIZATIONS

See the Consumer Protection Directory for detailed information on citizens' and professional organizations concerned with consumer affairs. Some of the organizations listed in Chapter 1, Energy in General; Chapter 2, Oil and Gas; Chapter 6, Alternate Sources; and Chapter 7, Electric Utilities are interested in consumer aspects of the energy problem, including utility rate structures, marketing practices of oil companies, etc.

AMERICAN HOME ECONOMICS ASSOCIATION (AHEA)
2010 Massachusetts Avenue, N.W.
Washington, D.C. 20036
202-833-3100

Professional organization of some 50,000 workers and students in home economics. Though AHEA has no committee specifically charged with energy matters, home economics is often closely interrelated with energy issues. Articles in the bimonthly Journal of Home Economics have touched on such topics as home heating and cooling, hot water heating, cooking, refrigeration, lighting and appliance use, and transportation and energy. Also publishes: AHEA Action, 9 times a year, reporting on Association activities. Home Economics Research Journal, quarterly. Washington Dateline, a monthly legislative newsletter.

ASSOCIATION OF COMMUNITY ORGANIZATIONS FOR REFORM NOW (ACORN)
523 W. 15th Street
Little Rock, Arkansas 72202
501-376-7151

Chief Organizer: Wade Rathke

A "grassroots membership organization of low and moderate income people. Founded in Arkansas in 1970, it has grown to a membership of over 10,000 families organized into some 150 local neighborhood groups." Has been active in utility rate reform proposals and in testifying on the effect of federal energy proposals on low and moderate income consumers. Local groups in Arkansas, South Dakota, Texas, Louisiana, Missouri, Tennessee, Florida, Colorado, Pennsylvania, and Nevada. Pub.: ACORN News, monthly.

CONSUMER FEDERATION OF AMERICA (CFA)
1012 14th Street, N.W., Suite 901
Washington, D.C. 20005
202-737-3732

Executive Director: Carol Tucker Foreman

CFA is the major umbrella organization of consumer protection groups in the U.S. It has been active in representing the consumer viewpoint in energy debates in Congress and other national forums. It promotes the concept of a federal oil and gas corporation, stricter regulation of the natural gas industry, and fair oil prices. CFA has sponsored an Energy Policy Task Force, composed of representatives of municipal utility, cooperative, consumer, and labor groups. Pub.: Consumer Federation Newsletter, monthly. Reports of the Energy Policy Task Force.

CONSUMERS' RESEARCH
Washington, New Jersey 07782
201-889-3300

Technical Director: F. J. Schlink

Nonprofit consumer product testing organization. Its main publication, Consumers' Research Magazine (monthly, with a "Handbook of Buying" issue in October) has included systematic coverage of energy aspects of buying consumer goods such as home laundry appliances. News columns also discuss current energy issues and how they affect the consumer.

CONSUMERS UNION OF THE UNITED STATES, INC. (CU)
256 Washington Street
Mt. Vernon, New York 10550
914-664-6400

Executive Director: Rhoda H. Karpatkin

Nonprofit consumer product testing organization. Its main publication, Consumer Reports, monthly, has included coverage of energy aspects of buying consumer goods. Also active in legal and administrative action on behalf of consumer interests at the federal level, including action on such energy issues as oil price controls.

+Washington Office
Consumers Union of the U.S.
1714 Massachusetts Avenue, N.W.
Washington, D.C. 20036
202-785-1906

NATIONAL CONSUMER CONGRESS (NCC)
1346 Connecticut Avenue, N.W., Room 209
Washington, D.C. 20036
202-833-9704

Grassroots consumers' group which grew out of the 1973 meat boycott. Interests have included energy matters, particularly as they affect lower income groups. Has published a Citizen's Energy Platform.

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The general index is an index to both organizations and subjects. U.S. Government agencies are listed by the key word of their name (for example, Energy Research, Office of). State and local agencies are listed under the name of the state or locality (for example, Colorado - Department of Natural Resources).

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